

Name of Project: **Dixon Watershed Management Plan, Phase 2 Update**

SOLANO COUNTY WATER AGENCY

AGREEMENT FOR PROFESSIONAL SERVICES (*Professional Services/Architects/Engineers*)

THIS AGREEMENT, **effective June 11, 2020** is between SOLANO COUNTY WATER AGENCY, a public agency existing under and by virtue of Chapter 573 of the 1989 statutes of the State of California, hereinafter referred to as "Agency," and Wood Rodgers, Inc. hereinafter referred to as "Contractor."

The Agency requires services for the **Dixon Watershed Management Plan, Phase 2 Update**; and the Contractor is willing to perform these services pursuant to the terms and conditions set out in this Agreement.

IT IS MUTUALLY AGREED, as follows:

1. SCOPE OF SERVICES

The Agency hereby engages the Contractor, and the Contractor agrees to perform the services for **Dixon Watershed Management Plan, Phase 2 Update**, as described in Exhibit A, in accordance with the terms of this Agreement and any applicable laws, codes, ordinances, rules or regulations. In case of conflict between any part of this Agreement, this Agreement shall control over any Exhibit.

2. COMPENSATION

Compensation for services shall be as follows: Hourly rate of personnel plus any allowed reimbursable expenses based on unit costs as indicated on any allowed reimbursable expense in Exhibit B **not to exceed \$250,000** for all work contemplated by this Agreement.

3. METHOD OF PAYMENT

Upon submission of an invoice by the Contractor, and upon approval of the Agency's representative, the Agency shall pay the Contractor monthly in arrears for fees and allowed expenses incurred the prior month, **however in no event shall the cumulative total paid pursuant to this agreement exceed the maximum amount provided for in paragraph 2 of this Agreement.** Every invoice shall specify hours worked for each task identified in Exhibit A undertaken.

Each invoice shall be accompanied by a spreadsheet showing, by month, costs incurred to date for the project broken down by the Tasks identified in Exhibit A. The spreadsheet shall show, for each task, budget amounts, total expended and remaining amounts. The spreadsheet shall show a subtotal for each fiscal year covered by the contract. Any amendments to the contract shall be listed and incorporated into spreadsheet. An example of a typical spreadsheet shall be provided by the Agency.

4. **TIME OF PERFORMANCE**

This Agreement shall become effective as of the date it is executed and said services will take place between this date and **June 30, 2021** as directed by the Agency.

5. **MODIFICATION AND TERMINATION**

This Agreement may be modified or amended only by written instrument signed by the parties hereto, and the Contractor's compensation and time of performance of this Agreement shall be adjusted if they are materially affected by such modification or amendment.

This Agreement may be terminated by the Agency at any time, without cause, upon written notification to the Contractor. The Contractor may terminate this Agreement upon 30 days written notice to Agency.

Following termination by the Agency or the Contractor, the Contractor shall be reimbursed for all expenditures made in good faith in accordance with the terms of this Agreement that are unpaid at the time of termination.

6. **INDEMNIFY AND HOLD HARMLESS**

To the extent permitted by law, Design Professional agrees to indemnify, including the cost to defend, Solano County Water Agency and its officers, officials, employees, and authorized volunteers from and against any and all claims, demands, costs, or liability that arise out of, or pertain to, or relate to the negligence, recklessness, or willful misconduct of Design Professional and its employees or agents in the performance of services under this contract, but this indemnity does not apply to liability for damages arising from the sole negligence, active negligence, or willful acts of the Solano County Water Agency; and does not apply to any passive negligence of the Solano County Water Agency unless caused at least in part by the Design Professional.

7. **INSURANCE**

Minimum Insurance Requirements: Design Professional shall procure and maintain for the duration of the contract insurance against claims for injuries or death to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the Design Professional, his agents, representatives, employees or subcontractors.

Coverage - Coverage shall be at least as broad as the following:

1. **Commercial General Liability (CGL)** - Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including products and completed operations, property damage, bodily injury, personal and advertising injury with limit of at least two million dollars (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater for. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (coverage as broad as the ISO CG 25 03, or ISO CG 25 04 endorsement provided to Solano County Water Agency) or the general aggregate limit shall be twice the required occurrence limit.

2. **Automobile Liability** - (If necessary) Insurance Services Office (ISO) Business Auto Coverage (Form CA 0001), covering Symbol 1 (any auto) or if Design Professional has no owned autos, Symbol 8 (hired) and 9 (non-owned) with limit of one million dollars (\$1,000,000) for bodily injury and property damage each accident.
3. **Workers' Compensation Insurance** - as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease. **Waiver of Subrogation:** The insurer(s) named above agree to waive all rights of subrogation against the Solano County Water Agency, its directors, officers, employees, and authorized volunteers for losses paid under the terms of this policy which arise from work performed by the Named Insured for the Agency; but this provision applies regardless of whether or not the Solano County Water Agency has received a waiver of subrogation from the insurer.
4. **Professional Liability** - (also known as Errors & Omission) Insurance appropriate to the Design Professional profession, with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate.

If Claims Made Policies:

1. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
2. Insurance must be maintained and evidence of insurance must be provided **for at least five (5) years after completion of the contract of work.**
3. If coverage is canceled or non-renewed, and not **replaced with another claims-made policy form with a Retroactive Date** prior to the contract effective date, the Design Professional must purchase "extended reporting" coverage for a minimum of **five (5) years** after completion of contract work.

If the Design Professional maintains broader coverage and/or higher limits than the minimums shown above, the Solano County Water Agency requires and shall be entitled to the broader coverage and/or higher limits maintained by the Design Professional. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the Solano County Water Agency.

Other Required Provisions - The Commercial General Liability policy must contain, or be endorsed to contain, the following provisions:

1. **Additional Insured Status:** Solano County Water Agency, its directors, officers, employees, and authorized volunteers are to be given insured status insurance (at least as broad as ISO Form CG 20 10 10 01 with respect to liability arising out of work or operations performed by or on behalf of the Design Professional including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Design Professional's insurance.
2. **Primary Coverage:** For any claims related to this project, the Design Professional's insurance coverage shall be primary at least as broad as ISO CG 20 01 04 13 as respects to the Solano County Water Agency, its directors, officers, employees, and authorized volunteers. Any insurance or self-insurance maintained by the Solano County Water Agency, its directors, officers, employees, and

authorized volunteers shall be excess of the Design Professional's insurance and shall not contribute with it.

Notice of Cancellation: Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Solano County Water Agency.

Self-Insured Retentions: Self-insured retentions must be declared to and approved by the Solano County Water Agency. The Solano County Water Agency may require the Design Professional to provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or Solano County Water Agency.

Acceptability of Insurers: Insurance is to be placed with insurers having a current A.M. Best rating of no less than A:VII or as otherwise approved by Solano County Water Agency.

Verification of Coverage: Design Professional shall furnish the Solano County Water Agency with certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the Solano County Water Agency before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Design Professional's obligation to provide them. The Solano County Water Agency reserves the right to require complete, certified copies of all required insurance policies, including policy Declaration and Endorsements pages listing all policy endorsements.

Subcontractors: Design Professional shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Design Professional shall ensure that Solano County Water Agency is an additional insured on insurance required from subcontractors.

8. **COMPLIANCE WITH LAW**

The Contractor shall be subject to and comply with all federal, state and local laws and regulations applicable with respect to its performance under this Agreement, including but not limited to, licensing, employment and purchasing practices; and wages, hours and conditions of employment.

9. **RECORD RETENTION**

Except for materials and records, delivered to the Agency, the Contractor shall retain all materials and records prepared or obtained in the performance of this Agreement, including financial records, for a period of at least three years after the Contractor's receipt of the final payment under this Agreement. Upon request by the Agency, the Contractor shall make such materials and records available to the Agency at no additional charge and without restriction or limitation to State and federal governments at no additional charge.

10. **OWNERSHIP OF DOCUMENTS**

All materials and records of a finished nature, such as final plans, specifications, reports and maps, prepared or obtained in the performance of this Agreement, shall be delivered to and become the property of the Agency. All materials of a preliminary nature, such as survey notes, sketches, preliminary plans, computations and other data, prepared or

obtained in the performance of this Agreement, shall be made available, upon request, to the Agency at no additional charge and without restriction or limitation on their use.

11. **SUBCONTRACT AND ASSIGNMENT**

This Agreement binds the heirs, successors, assigns and representatives of the Contractor. The Contractor shall not enter into subcontracts for any work contemplated under this Agreement and shall not assign this Agreement or monies due or to become due, without the prior written consent of the General Manager of the Agency or his designee, subject to any required state or federal approval. (*Note: list any subcontractors here*)

12. **NONRENEWAL**

The Contractor understands and agrees that there is no representation, implication, or understanding that the services provided by the Contractor under this Agreement will be purchased by the Agency under a new agreement following expiration or termination of this Agreement, and waives all rights or claims to notice or hearing respecting any failure to continue purchase of all or any such services from the Contractor.

13. **NOTICE**

Any notice provided for herein are necessary to the performance of this Agreement and shall be given in writing by personal delivery or by prepaid first-class mail addressed as follows:

AGENCY

Roland Sanford, General Manager
Solano County Water Agency
810 Vaca Valley Parkway, Suite 203
Vacaville, CA 95688

CONTRACTOR

Wood Rodgers, Inc.
3301 C Street, Bldg. 100-B
Sacramento, CA 95816

The parties have executed this Agreement the day and year first above written. If the Contractor is a corporation, documentation must be provided that the person signing below for the Contractor has the authority to do so.

Solano County Water Agency
a Public Agency

Wood Rodgers, Inc.

By: _____
Roland Sanford
General Manager

By: _____
Jonathan Kors,
Vice President

FOR SCWA USE ONLY

Contract Period: 6/11/2020 to 6/30/2021
File Number: AG-W-5
Account Manager: Gustavo Cruz
G/L Account #: 6610AC
Job Cost #: 6003
Contract Type: Professional Services (Arch & Eng)

EXHIBIT A
SCOPE OF SERVICES

Dixon Watershed Management Plan (DWMP) – Phase 2 Update

A. Purpose

To address the cumulative impacts outlined in the Technical Memorandum Addendum to the Dixon Watershed Management Plan (June-2019) for the Tremont 3 Watershed. A suite of recommendations will need to be analyzed such as detention basins, flood easements, channel enlargements, or combination thereof in addition to achieving multi-benefits such as flood control, groundwater recharge, and ecological productivity to the Delta. The report will also need to determine the historical financial impact associated with existing flooding, as well as the Capital and Operations and Maintenance (O&M) costs to mitigate drainage issues within the Northeast Quadrant (NEQ) and Agricultural Industrial Service Area (AISA) of the Tremont 3 Watershed.

B. Project Team

The Project Team will consist of Wood Rodgers (WR) as the Prime Consultant and West Yost Associates (WYA) as a Subconsultant focused on the modeling efforts. The Project Team was determined from a stakeholder review of qualified RFPs, with input received from the City of Dixon, Dixon RCD, Solano County, and SCWA staff. The Project Team will also provide cost savings to SCWA by (a) providing a fresh and independent look at the project, while (b) utilizing over two decades of knowledge specific to the Dixon Watershed Region.

C. Scope of Work

Task 1. Quantify Historic Flood Damage

The main purpose of this task is to quantify and provide evidence of past flood damage in the Tremont 3 Watershed. This has also been a reoccurring concern by Solano County staff. This task should take into account particularly wet years such as the 1997 – 1998 water year. This can include but not be limited to agricultural losses, flooded buildings, pump failures, levee repairs, canal repairs, etc. WR will reach out to parties that may possess information such as WYA, Reclamation District 2068, Dixon Resource Conservation District, City of Dixon, and Solano County Staff. If information is unavailable, this should be clearly stated. The goal is to determine the historic flood damage associated with a specific event of known or estimate flood reoccurrence. It is assumed that data for up to three (3) storms will be collected. Wood Rodgers will tabulate flood damage costs using data collected and will not perform advanced economic analysis such as depth/damage relationships, and will not provide a statistical analysis of flood damages for a range of storm intervals.

- WYA to provide support as needed by WR, such as storm and flood reoccurrence interval information. WR will request storm recurrence intervals for up to three (3) time periods corresponding to flood damage data collected in this Task.
- WR to conduct phone interviews and request information or historical documents where available.

Deliverable – WR to provide a Tech Memo summarizing the Historic Flood Damage review, with the goal of quantifying historic flood damage with a specified flood event of known or estimated reoccurrence as well as indicating where information is lacking or unavailable. The Tech Memo will become a Chapter in the final report.

Task 2. Peer Review of Local Drainage Standards

WR will conduct a peer review of local drainage standards including Solano County, City of Dixon, RD 2068, and the Dixon RCD that are applicable to the Tremont 3 Watershed. Based on the peer review, WR will develop recommended drainage standards to consider for the purpose of this analysis only. WR will summarize the findings into a brief technical memorandum, which will also be incorporated into the final report.

- WR to peer review local drainage standards and provide recommendation specific to the Tremont 3 watershed.
- WYA to review the standards and provide comments.

Deliverable – WR to provide a Tech Memo summarizing the Peer Review of Local Drainage Standards and recommendation of standards to analyze for the regional multi-benefit project only. The Tech Memo will become a Chapter in the final report.

Task 3. Peer Review of Dixon Regional Model

The Dixon Regional Model (DRM) was originally developed in 1998 to 1999 and documented in the original Dixon Watershed Management Plan (DWMP) by WYA. The Tremont 3 watershed model was extended to include the area north of I-80 and revised in 2016 in support of the Large Detention Basin East of the Railroad (LDBER) study. WYA will provide the 1993 land use conditions and the Buildout land use conditions DRMs, a copy of the DWMP, the relevant LDBER studies, and relevant documents from Phase 1 of this study to WR for peer review. WYA will provide other information requested by WR related to the model to the extent that 1998 to 1999 files can be located. WYA will attend up to two phone meetings to discuss WR questions and comments on the model during the model review phase. For budgeting purposes, the review will focus on the Tremont 3 watershed, with one round of model comments, model revisions, and resubmission of the model for approval.

- WYA to provide DRM related documents, respond to WR questions/comments, revise and resubmit the model.
- WR to peer review DRM model, provide questions/comments, and review model resubmission.

Deliverable – WR to provide a brief Tech Memo summarizing the peer review, comments, and revisions to the model. The Tech Memo will become a Chapter in the final report.

Task 4. Model Scenario Development

WR will develop several Project Alternatives. It is assumed up to five alternatives will be developed, including “hard” solutions such as detention basins and channel enlargements, and “soft” solutions such as flood easements and mixed-use solutions such as land agreements with continued agricultural production. WR will develop alternatives based on input from stakeholders during the Project Kickoff Meeting. WR with support from WYA, will develop preliminary cost estimates for each of the five alternatives based on quantities estimated using general knowledge of the watershed and drainage standards from Task 2 (but without the value of modeling all five alternatives to accurately define the quantities). Based on stakeholder input, an Initial Project (IP) will be selected and modeled for each of the three land development conditions. Based upon the initial modeling results and stakeholder input, WR will need to refine the IP to become the Recommended Project (RP). It is assumed one RP will be developed and carried forward for detailed modeling and cost analysis. For budgeting, it is assumed that the needed modeled conditions will include 1993 land use conditions, buildout land use conditions, an IP, and a final RP. Initial and final figures will be developed.

- WR to develop five project alternatives based upon stakeholder input.
- WYA to develop figures and schematics that show each of the five project alternatives.
- WR with support from WYA, will develop rough cost estimates for each project alternative.

- Stakeholders to review and determine the Initial Project.
- Based on additional stakeholder feedback, WR and WYA will define and refine the final RP.
- WR and WYA to develop and refine figures and schematics for the alternatives, IP, and final RP.

Deliverable – WR with support from WYA, will provide a Tech Memo summarizing the five project alternatives, IP, and final RP. The Tech Memo will briefly describe the refinements and reasons why the IP and RP were selected. The Tech Memo will become a Chapter in the final report.

Task 5. Model Runs

The following models will be prepared by WYA:

- 1993 Land Use Conditions (2-year/1-day, 10-year/1-day, 100-year/1-day, and 100-year/4-day)
- Buildout Land Use Conditions (2-year/1-day, 10-year/1-day, 100-year/1-day, and 100-year/4-day)
- Initial Project (100-year/4-day)
- Recommended Project (2-year/1-day, 10-year/1-day, 100-year/1-day, and 100-year/4-day) – to be developed after the alternatives have been reviewed by WR and the stakeholders.

WYA will run the model for the various scenarios above which include 1993 Land Use (i.e. Baseline), 100% Buildout, Initial Project, and Recommend Project. WYA will develop figures including Stage/WSE and Flow Rates for significant model node locations, similar to the Phase 1 Update. Additionally, for the 1993 land use conditions, buildout land use conditions, IP, and the RP, a table will be prepared that summarizes the WSE, flooding depth, and duration for each flooding location and each storm event. WR will initially review the WYA schematic figures, capital and O&M costs and assumptions, model output and figures, and table of WSEs. WR will submit initial round of comments for WYA to review. WYA will then refine and resubmit as needed to WR. WR with support from WYA, will send out the reviewed figures, costs, model output and figures, etc. to the stakeholder team as a Tech Memo. SCWA will provide one set of stakeholder comments on the Tech Memo to WR. WR will review and provide one set of peer review (if still needed) and stakeholder comments to WYA. WYA will incorporate comments into the final Tech Memo.

- WYA to run the DRM for the scenarios listed above.
- WYA to develop schematics, flood tables, and corresponding figures of stage and flowrate model outputs for the various alternatives, with model outputs specific to the IP and subsequent RP.
- WR to peer review Tech Memo and WYA to incorporate two rounds of comments from WR and the stakeholders.

Deliverable – WYA will provide a Tech Memo summarizing the model results for the IP and RP, including schematics, facility sizes, stage and flowrates.

Task 6. Cost Analysis of Recommended Project

Based upon the Recommended Project, WR with support as needed from WYA, will refine and determine both the Capital and corresponding annual O&M Costs of the project. The analysis will detail out key assumptions and provide a life-cycle cost analysis of the Recommended Project.

Task 7. Reporting

The various Tech Memos, peer reviews, background information, model scenarios, model results, and recommended project will be compiled and put into a Draft Report for SCWA to review. WR will address SCWA's comments and provide an Administrative Draft for SCWA to circulate to the stakeholders. SCWA will then provide a single set of written, non-conflicting comments back to WR for review. Electronic copies of the Final Report, Tech Memos, and Supporting Documents will be provided to SCWA

in a Standard Format (i.e. PDF, Word, Excel, ArcGIS). WYA to provide up to 60 hours of services as requested by WR.

Deliverable – Final Report that will include the prior Tech Memos including background information, the various Peer Reviews, Model Scenario Development, Model Results with discussion, and Cost Analysis of the RP.

Task 8. Meetings

WR will lead several meetings, conference calls, and direct coordination with any subconsultants. WR will also be the primary/lead consultant in all technical memorandums and the final report. However, WYA will be providing much of the support in writing up model scenario and model run sections of the technical memorandum and final report. The following meetings and phone calls will be necessary for project completion:

- Kickoff Meeting – Conference call to discuss final scope of work, key milestones, additional stakeholder comments, and dates of initial deliverables.
- IP Determination – Zoom meeting to discuss (i) the results of the model peer review, (ii) screening of the five alternatives, and (iii) the IP to evaluate. The goal of the meeting will be to determine the IP to move forward with initial modeling.
- RP Determination – Conference call to discuss (i) modeling results from the IP, (ii) suggestions for refinement, and (iii) the RP to evaluate and move forward with.
- Draft Report – Zoom meeting to (i) go over the draft report and key points of the report and (ii) obtain stakeholder feedback.
- Final Presentation (x2) – Prepare and present slides (potentially via Zoom) summarizing work for a final presentation of the Dixon Watershed Management Plan, Phase 2 Update. Presentations to two of the following: the SCWA Board, Dixon Regional Watershed JPA, Dixon City Council, or other meeting venue.

Task 9. Contingency

To provide additional stakeholder support, address new questions as they may arise, while ensuring the multi-regional project moves forward, a contingency of 20% will be established for the Phase 2 Study. The prime consultant and subconsultant will be expected to complete their tasks under the existing budget and scope as laid out in Tasks 1-8 above. Use of the Contingency Funds (i.e. Task 9) will be at the discretion of SCWA staff not consultants, and as guided by the stakeholder team consisting of the City of Dixon, Dixon RCD, Solano County, Reclamation District 2068, and SCWA.

D. Meetings | Conference Calls

- Kickoff Meeting – Conference call to discuss final scope of work, key milestones, additional stakeholder comments, and dates of initial deliverables.
- Initial Project (IP) Determination – Zoom meeting to discuss (i) the results of the model peer review, (ii) screening of the five alternatives, and (iii) the IP to evaluate. The goal of the meeting will be to determine the IP to move forward with initial modeling.
- Recommended Project (RP) Determination – Conference call to discuss (i) modeling results from the IP, (ii) suggestions for refinement, and (iii) the RP to evaluate and move forward on.
- Draft Report – Zoom meeting to (i) go over the draft report and key points of the report and (ii) obtain stakeholder feedback.

- Final Presentation (x2) – Prepare and present slides (potentially via Zoom) summarizing work for a final presentation of the Dixon Watershed Management Plan, Phase 2 Update. Presentations to two of the following: the SCWA Board, Dixon Regional Watershed JPA, Dixon City Council, or other meeting venue.

E. Deliverables

- Tech Memo, Historic Flood Damage – Concise memo quantifying historic flood damage in the Tremont 3 Watershed.
- Tech Memo, Local Drainage Standards – Memo summarizing the local drainage standards for each agency within the Tremont 3 Watershed, and recommended drainage standard(s) for analyzing the Recommended Project.
- Tech Memo, Model Peer Review – Brief memo summarizing the results of the WR peer review, model improvements that will be done (if any), and final outcome.
- Tech Memo, Initial Model Results – Concise memo summarizing the initial model results and recommendation on the preferred alternative.
- Tech Memo, Model Scenario Development – Memo summarizing the five project alternatives, IP, and final RP. The memo will briefly describe the refinements and reasons why the IP and RP were selected.
- Tech Memo, Model Runs – Memo summarizing the model results for the IP and RP, including schematics, facility sizes, stage and flowrates.
- Final Report – Report that will consist of an Executive Summary, the various Tech Memos above, Model Background (brief), Model Scenarios, Model Results with discussion, Cost Analysis of the RP, Conclusion and Next Steps.

F. Estimated Level of Effort and Budget

Table 1 – Level of Effort and Budget for Wood Rodgers and West Yost Associates

Task	Wood Rodgers		West Yost		Schedule (weeks)	Total Budget
	Effort (hrs)	Budget	Effort (hrs)	Budget		
Task 1. Quantify Historic Flood Damage	50	\$ 9,550	16	\$ 4,200	4	\$ 13,750
Task 2. Peer Review of Local Drainage Standards	30	\$ 5,680	8	\$ 2,100	2	\$ 7,780
Task 3. Peer Review of Dixon Regional Model	28	\$ 5,520	52	\$ 12,770	3	\$ 18,290
Task 4. Model Scenario Development	102	\$ 19,580	20	\$ 5,200	4	\$ 24,780
Task 5. Model Runs	52	\$ 9,460	300	\$ 71,830	16	\$ 81,290
Task 6. Cost Analysis of Recommended Project	32	\$ 5,990	16	\$ 4,200	2	\$ 10,190
Task 7. Reporting	42	\$ 7,440	60	\$ 15,600	2	\$ 23,040
Task 8. Meetings	66	\$ 13,780	54	\$ 14,100	----	\$ 27,880
Task 9. Contingency (20%)	----	----	----	----	----	\$ 43,000
Total	402	\$ 77,000	526	\$ 130,000	33	\$250,000

EXHIBIT B

RATE OF COMPENSATION

EXHIBIT "B"



SACRAMENTO FEE SCHEDULE
Effective January 1, 2020

CLASSIFICATION	STANDARD RATE
Principal Engineer/Geologist/Surveyor/Planner/GIS/LA* II	\$250
Principal Engineer/Geologist/Surveyor/Planner/GIS/LA* I	\$220
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* III	\$205
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* II	\$195
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* I	\$185
Engineer/Geologist/Surveyor/Planner/GIS/LA* III	\$175
Engineer/Geologist/Surveyor/Planner/GIS/LA* II	\$165
Engineer/Geologist/Surveyor/Planner/GIS/LA* I	\$150
Assistant Engineer/Geologist/Surveyor/Planner/GIS/LA*	\$115
CAD Technician III	\$150
CAD Technician II	\$130
CAD Technician I	\$115
Project Coordinator	\$130
Administrative Assistant	\$95
1 Person Survey Crew	\$210
2 Person Survey Crew	\$305
3 Person Survey Crew	\$390
Consultants, Outside Services, Materials & Direct Charges	Cost Plus 10%
Overtime Work	Rate Plus 50%

*LA = Landscape Architect

Blueprints, reproductions, and outside graphic services will be charged at vendor invoice. Auto mileage will be charged at the IRS standard rate, currently 57.5 cents per mile.

Fee Schedule subject to change January 1, 2021.

2020 Billing Rate Schedule

(Effective January 1, 2020 through December 31, 2020) *

POSITIONS	LABOR CHARGES (DOLLARS PER HR)
ENGINEERING	
Principal/Vice President	\$281
Engineering/Scientist/Geologist Manager I / II	\$267 / \$279
Principal Engineer/Scientist/Geologist I / II	\$242 / \$257
Senior Engineer/Scientist/Geologist I / II	\$217 / \$227
Associate Engineer/Scientist/Geologist I / II	\$187 / \$200
Engineer/Scientist/Geologist I / II	\$151 / \$175
Engineering Aide	\$86
Administrative I / II / III / IV	\$76 / \$96 / \$116 / \$128
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$275 / \$277
Principal Tech Specialist I / II	\$252 / \$263
Senior Tech Specialist I / II	\$231 / \$242
Senior GIS Analyst	\$211
GIS Analyst	\$199
Technical Specialist I / II / III / IV	\$147 / \$168 / \$189 / \$210
Cross-Connection Control Specialist I / II / III / IV	\$110 / \$120 / \$135 / \$150
CAD Manager	\$168
CAD Designer I / II	\$130 / \$146
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$272
Construction Manager I / II / III / IV	\$164 / \$176 / \$187 / \$237
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$144 / \$160 / \$178 / \$185
Apprentice Inspector	\$130
CM Administrative I / II	\$70 / \$94
Field Services	\$185

- Technology and Communication charges including general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses will be billed at 6% of West Yost labor.
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, etc. will be billed at actual cost plus 15%.
- Mileage will be billed at the current Federal Rate and Travel will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.

* This schedule is updated annually

2020 Billing Rate Schedule (continued)

(Effective January 1, 2020 through December 31, 2020) *

Equipment Charges

EQUIPMENT	BILLING RATES
Gas Detector	\$80/day
Hydrant Pressure Gauge	\$10/day
Hydrant Pressure Recorder, Standard	\$40/day
Hydrant Pressure Recorder, Impulse (Transient)	\$55/day
Trimble GPS – Geo 7x	\$220/day
Vehicle	\$10/hour
Water Flow Probe Meter	\$20/day
Water Quality Multimeter	\$185/day
Well Sounder	\$30/day

* This schedule is updated annually