SOLANO COUNTY WATER AGENCY

AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES

AMENDMENT NUMBER: 2

CONTRACTOR: West Yost Associates

EFFECTIVE DATE: June 11, 2026

PROJECT: PSC Overchute H&H Evaluation

DESCRIPTION OF AMENDMENT:

1. Increase contract amount by $22,000, from $143,800 to $165,800, engineering support for hydrologic and hydraulic evaluation for overbank spill north of overchute 890+70 along the Putah South Canal (PSC), as described in Exhibit A.
2. Extend term of contract through June 30, 2027.

SIGNATURES:

Solano County Water Agency, A Public Agency	West Yost Associates
By: _____	By: _____
Chris Lee General Manager	Elizabeth T. Drayer Vice President

FOR SCWA USE ONLY

Contract Period: 09/04/2025 to 06/30/2027
File Number: AG-W-7
Account Manager: Deborah Barr
G/L Account #: 6140SC
Job Cost #:
Contract Type: Professional Services
Contractor PM Email: dmoore@wesstyost.com

EXHIBIT A

SCOPE OF SERVICES

Task 1 - PSC Overbank Flood Evaluation

Task 1.01 – Hydraulic Model Extension $1,575

The hydraulic model will be extended sufficiently to the north and east to incorporate Union Creek within the model domain and area of concern.

Task 1.02: Union Creek Hydrology $6,714

Hydrology for the creek will be estimated using the USGS StreamStats tool. As needed, the watershed will be delineated in GIS, and hydrologic analyses will be performed in accordance with Water Agency standards.

Task 1.03: Boundary Condition $684

Establish new boundary condition based on data from prior studies and inclusion of Union Creek.

Task 1.04: Modeling and Analysis $1,962

This evaluation will assess potential runoff flows to the PSC, quantify overbank spill flows, and estimate the maximum water surface elevation at the dirt road, and recommend additional subsurface/groundwater flow evaluations and/or appropriate mitigation measures to reduce the risk of future failure.

Task 1.05: Groundwater Table Evaluation $3,150

Publicly available groundwater data and air photos will be reviewed to assess groundwater levels in the seepage areas along with old creek channels that may have crossed PSC.

Task 1.06: Draft and Final Tech Memo $5,060

The scope of work will be summarized and presented in a concise TM. Initially a Draft TM will be provided to the Water Agency for review and West Yost will prepare a Final, stamped and signed TM addressing all questions and comments.

Deliverables: Draft and final TMs. Model files.

Task 2 – Other Project Support $2,855

This task serves as a contingency for any additional support the Water Agency may need regarding these efforts.

The services shall also include the tasks, timelines, deliverables, and specifications outlined in the Contractor's Proposal dated April 14, 2026, attached as a continuation of Exhibit A.

WEST YOST
Water. Engineered.

2020 Research Park Drive
Suite 100
Davis CA 95618

530.756.5905 phone
530.756.5991 fax
westyost.com

April 14, 2026

SENT VIA: EMAIL

Deborah Barr
Manager of Engineering
Solano County Water Agency
810 Vaca Valley Parkway, Suite 202
Vacaville, CA 95688

SUBJECT: Proposal to Analyze Overbank Spill North of Overchute (890 + 70) and Its Impacts on PSC Concrete Panels and Potential Groundwater Seepage

Dear Deborah:

The purpose of this letter proposal is to provide the Solano County Water Agency (SCWA) with a proposed scope of services, budget, and schedule for conducting Hydrologic and Hydraulic (H&H) evaluations of overbank spill into the Putah South Canal (PSC) north of Overchute 890+70.

SCOPE OF SERVICES

Our proposed scope of services is provided below by task.

During our site visit, we observed a few locations where the PSC concrete panels appear to be affected by seepage. Biological growth and staining were noted along the concrete panels, indicating persistent moisture exposure likely caused by localized seepage or surface flow entering the canal. These conditions may increase the risk of canal failure; therefore, further analysis and the development of appropriate remedial measures are recommended.

Union Creek flows from northwest to southeast, north of the observed seepage locations. Two larger ponds are located west of the PSC and are separated by Rain Road. West Yost has previously developed a hydrologic and hydraulic model to analyze the overchutes; however, the model does not extend sufficiently to the north and east to quantify potential drainage impacts on the canal panels. Given that the panels are aged and non-reinforced, flooding and seepage could accelerate deterioration and potentially lead to failure.

This evaluation will assess potential runoff flows to the PSC, quantify overbank spill flows, and estimate the maximum water surface elevation at the dirt road, and recommend additional subsurface/groundwater flow evaluations and/or appropriate mitigation measures to reduce the risk of future failure. Given that this seepage is occurring currently, the analysis will be based on current climate conditions and will not be based on future climate change factors.

Task 3. PSC Overbank Flood Evaluation

Task 3 includes the following work:

- **Model Extension to Include Union Creek:** The hydraulic model will be extended sufficiently to the north and east to incorporate Union Creek within the model domain.
- **Union Creek Hydrology:** Union Creek is mapped by FEMA as an approximate Zone A, and detailed hydrologic data are not available. Therefore, hydrology for the creek will be estimated using the USGS StreamStats tool. If needed, the watershed will be delineated in GIS and hydrologic analyses will be performed in accordance with agency standards.
- **Boundary Conditions:** With the inclusion of Union Creek in the model, available data from prior studies will be reviewed to establish boundary conditions. If known water surface elevations are available, they will be applied; otherwise, a normal depth (free flow) boundary condition based on Manning's equation will be used.
- **Ground Water Evaluation**: Publicly available groundwater data will be reviewed to assess groundwater levels in the seepage areas. If high groundwater conditions are identified, West Yost will coordinate with SCWA to discuss potential mitigation approaches. Also, available historical air photos will be located and used to assess if an old creek channel may have crossed PSC at the location of the seepage.
- **Storm Event**: The analysis will be performed for the 15-year and 100-year design storm events.

We will prepare Draft and Final TMs. The work above will be presented in a concise Draft TM. We will attend one Teams meeting with SCWA staff to discuss the Draft TM. SCWA is to share the Draft TM with others as needed and collect comments and questions on the Draft TM. West Yost will prepare a Final, stamped and signed TM addressing the questions and comments. If additional work beyond the tasks described above is needed to address the comments and questions, we will request a contract amendment to cover that work.

Task 3 Deliverables
- Draft and Final TMs.
- Model files.

PROJECT BUDGET

Our proposed budget is summarized in Attachment A. Attachment B provides West Yost's 2026 Billing Rate Schedule.

SCHEDULE

Our proposed schedule is summarized below:

- Initial Draft TM: 10 weeks after receiving the executed contract, notice to proceed, and any required data.
- Final TM: 4 weeks after receiving comments on the draft version of the TM.

Thank you for providing West Yost the opportunity to be of continued service to Solano County Water Agency. We look forward to collaborating with you on this important project. Please call me at 530-574-3905 if you have any questions or require additional information. We are happy to refine this proposal to better meet your needs if that would be helpful.

Sincerely,
WEST YOST

Douglas T. Moore, PE
Engineering Manager
RCE #58122

Attachments: Attachment A. Budget Spreadsheet
Attachment B. West Yost's 2026 Billing Rate Schedule

Attachment A

Budget Spreadsheet

West Yost Associates **PROJECT: PSC Southern two Overchute Evaluation**	EM/SM/GM II $387 D Moore	SE/SS/SG I $297 B Bhatta	ESG III $231	TA II $176	P $392 M Duffy	**Labor** Hours	**Labor** Fee	**SVR**	**Costs** Sub. w/ markup 10%	**Costs** Other Direct	**Costs** Total Costs
Task 1	***Overchute Overbank Flooding Evaluations***										
1.01	Hydraulic Model Extension	1	4				5	$ 1,575				$ 1,575
1.02	Union Creek Hydrology	2	20				22	$ 6,714				$ 6,714
1.03	Boundary Condition	1	1				2	$ 684				$ 684
1.04	Modeling and Analysis	2	4				6	$ 1,962				$ 1,962
1.05	Ground Water Table Evaluation	2	8				10	$ 3,150				$ 3,150
1.06	Draft and Final TMs	4	8		2	2	16	$ 5,060				$ 5,060
Subtotal, Task 1 (hours)		**12**	**45**	**0**	**2**	**2**	**61**					
Subtotal, Task 1 ($)		**$ 4,644**	**$ 13,365**		**$ 352**	**$ 784**		**$ 19,145**				**$ 19,145**

TOTAL (hours)	**12**	**45**	**0**	**2**	**2**	**61**					
TOTAL ($)	**$ 4,644**	**$ 13,365**		**$ 352**	**$ 784**		**$ 19,145**		**$ 0**		**$ 19,145**

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Attachment B

West Yost's 2026 Billing Rate Schedule

2026 Billing Rate Schedule

(Effective January 1, 2026, through December 31, 2026)*

POSITIONS	LABOR CHARGES (DOLLARS PER HOUR)
ENGINEERING	
Principal/Vice President	$392
Engineer/Scientist/Geologist Manager I / II	$370 / $387
Principal Engineer/Scientist/Geologist I / II	$333 / $355
Senior Engineer/Scientist/Geologist I / II	$297 / $312
Associate Engineer/Scientist/Geologist I / II	$246 / $265
Engineer/Scientist/Geologist I / II / III	$191 / $221 / $231
Engineering Aide	$117
Field Monitoring Services	$145
Administrative I / II / III / IV	$107 / $133 / $160 / $176
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	$384 / $387
Principal Tech Specialist I / II	$353 / $365
Senior Tech Specialist I / II	$320 / $334
Senior GIS Analyst	$292
GIS Analyst	$277
Technical Specialist I / II / III / IV	$206 / $231 / $261 / $291
Technical Analyst I / II	$148 / $176
Technical Analyst Intern	$119
Cross-Connection Control Specialist I / II / III / IV	$154 / $167 / $188 / $208
CAD Manager	$233
CAD Designer I / II	$181 / $204
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	$373
Construction Manager I / II / III / IV	$222 / $237 / $251 / $318
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	$200 / $222 / $247 / $256
Apprentice Inspector	$181
CM Administrative I / II	$96 / $130
Field Services	$256

- Hourly rates include charges for technology and communication, such as general and CAD computer software, telephone calls, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside services, such as vendor reproductions, prints, and shipping; major West Yost reproduction efforts; as well as engineering supplies, etc., will be billed at the actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness services, research, technical review, analysis, preparation, and meetings will be billed at 150% of standard hourly rates. Expert witness testimony and depositions will be 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

2026 Billing Rate Schedule

(Effective January 1, 2026, through December 31, 2026)*

Equipment Charges

EQUIPMENT	BILLING RATES
2" Purge Pump & Control Box	$300 / day
Aquacalc / Pygmy or AA Flow Meter	$28 / day
Emergency SCADA System	$35 / day
Field Vehicles (Groundwater)	$200 / day
Gas Detector	$80 / day
Generator	$60 / day
Hydrant Pressure Gauge	$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	$55 / day
Hydrant Pressure Recorder, Standard	$40 / day
Low Flow Pump Back Pack	$135 / day
Low Flow Pump Controller	$200 / day
Powers Water Level Meter	$32 / day
Precision Water Level Meter 300ft	$30 / day
Precision Water Level Meter 500ft	$40 / day
Precision Water Level Meter 700ft	$45 / day
QED Sample Pro Bladder Pump	$65 / day
Skydio 2+ Drone (2 hour minimum)	$100 / hour
Storage Tank	$20 / day
Sump Pump	$24 / day
Transducer Communications Cable	$10 / day
Transducer Components (per installation)	$23 / day
Trimble GPS – Geo 7x	$220 / day
Tube Length Counter	$22 / day
Turbidity Meter	$30 / day
Turbidity Meter (2100Q Portable)	$35 / day
Vehicle (Construction Management)	$18.75 / hour
Water Flow Probe Meter	$20 / day
Water Quality Meter	$50 / day
Water Quality Multimeter	$185 / day
Well Sounder	$30 / day

* This schedule is updated annually