

DAVIS JOINT UNIFIED SCHOOL DISTRICT

PROFESSIONAL SERVICES AGREEMENT

THIS PROFESSIONAL SERVICES AGREEMENT (the "Agreement") is made and entered into as of May 21, 2020 (the "Effective Date") by and between the Davis Joint Unified School District, a public school district of the State of California (the "District"), and Wallace Kuhl & Associates ("Provider"). The District and the Provider are collectively referred to in this Agreement individually as "Party" and collectively as the "Parties." This Agreement is made with reference to the following facts:

WHEREAS, the District requires services and/or advice of a highly specialized and technical nature in connection with certain financial, economic, accounting, consulting and/or administrative matters and such services and advice are not available within the District and cannot be performed satisfactorily by District employees; and

WHEREAS, Provider possesses the necessary expert knowledge, experience, and ability to perform services not available through District personnel, and Provider is specially experienced and competent to provide to the District certain specialized services and/or advice in one or more of the foregoing areas; and

WHEREAS, the District desires to engage Provider pursuant to Government Code Section 53060 because of Provider's special expertise and experience, and Provider desires to be engaged by the District; and

WHEREAS, the District and Provider desire to reduce to writing the terms and conditions of the District's engagement of Provider; and

NOW, THEREFORE, in consideration of the mutual covenants set forth below, the Parties hereby agree as follows:

ARTICLE 1. SERVICES TO BE PERFORMED BY PROVIDER

Section 1.1 Performance Of Services.

Provider agrees to perform services for the District as described in Appendix A to this Agreement (the "Services") and shall provide other services as may be requested by the District from time to time.

Section 1.2 Method Of Performance And General Supervision.

Provider will determine the methods, details, and means of performing the Services required by this Agreement. Subject to the foregoing, the District retains the right to inspect, to stop work, to prescribe alterations and generally to monitor Provider's work to ensure its conformity with the terms of this Agreement.

Section 1.3 Employment Of Assistants.

Provider may, at Provider's own expense, employ such assistants as Provider deems necessary to perform the services required of Provider by this Agreement. District may not control, direct, or supervise Provider's assistants or Providers in the performance of those services.

Section 1.4 Provider's Certifications, Representations and Warranties

Provider makes the following certifications, representations and warranties for the benefit of the District. Provider acknowledges and agrees that the District, in deciding to engage Provider pursuant to this Agreement, is relying upon the truth and validity of the following certifications, representation and warranties and their effectiveness throughout the term of this Agreement and the course of Provider's engagement hereunder.

(a) Provider is qualified in all respects to provide to the District all of the services contemplated by this Agreement and, to the extent required by any applicable law, Provider has all such licenses and/or governmental approvals as would be required to carry out and perform for the benefit of the District, such services as are called for hereunder.

(b) Provider, in providing the services and in otherwise carrying out its obligations to the District under this Agreement, shall, at all times, comply with all applicable federal, state, and local laws, rules, regulations, and ordinances, including workers' compensation and equal protection and non-discrimination laws.

(c) Provider will perform their services hereunder in a professional manner, using the degree of care and skill ordinarily exercised by, and consistent with, the current professional practices and standards of a professional practicing in California. The Provider will furnish, at their expense, those services that are set forth in this Agreement and represents that such services are within the technical and professional areas of expertise of the Provider or any sub-Provider the Provider has engaged or will engage to perform the service(s).

ARTICLE 2. TERM AND TERMINATION

Section 2.1 Term.

(a) This Agreement shall become effective on the Effective Date and shall continue through May 21, 2021 (the "Term"), unless the Agreement is earlier terminated by either Party in accordance with Section 2.2, below. Pursuant to Education Code Section 17596, the Agreement Term including all renewals shall not exceed five (5) years.

Section 2.2 Termination.

(a) This Agreement may be terminated by either Party upon fourteen (14) days written notice to the other Party in the event of a substantial failure of performance by such other Party, including insolvency of Provider or if the District should decide to abandon or indefinitely postpone the Project.

(b) In the event of a termination based upon abandonment or postponement by District, the District shall pay the Provider for all services performed and all expenses incurred under this Agreement supported by documentary evidence, including payroll records, and expense reports up until the date of the abandonment or postponement, plus any sums due to the Provider for Board-

approved extra services. In ascertaining the services actually rendered hereunder up to the date of termination of this Agreement, consideration shall be given to both completed work and work in process of completion and to complete and incomplete drawings and other documents, whether delivered to the District or in the possession of the Provider. In the event termination is for a substantial failure of performance, all damages and costs associated with the termination, including increased Provider and replacement Provider costs, shall be deducted from payments to the Provider.

(c) In the event a termination for cause is determined to have been made wrongfully, or without cause, then the termination shall be treated as a termination for convenience in accordance with Section 2.2 (d) below, and Provider shall have no greater rights than they would have had if a termination for convenience had been effected in the first instance. No other loss, cost, damage, expense or liability may be claimed, requested or recovered by Provider.

(d) This Agreement may be terminated for convenience by District without cause, upon twenty (20) days written notice to the Provider. In the event of a termination without cause, the District shall pay to the Provider for all services performed and all expenses incurred under this Agreement supported by documentary evidence, including payroll records, and expense reports up until the date of notice of termination, plus any sums due the Provider for Board-approved extra services. In ascertaining the services actually rendered hereunder up to the date of termination of this Agreement, consideration shall be given to both completed work and work in process of completion and to other documents, whether delivered to the District or in the possession of the Provider.

(e) In the event of a dispute between the Parties as to performance of the work or the interpretation of this Agreement, or payment or nonpayment for work performed or not performed, the Parties shall attempt to resolve the dispute. Pending resolution of this dispute, Provider agrees to continue the work diligently to completion. If the dispute is not resolved, Provider agrees it will neither rescind the Agreement nor stop the progress of the work, but Provider's sole remedy shall be to submit such controversy to determination by a court having competent jurisdiction of the dispute, after the Project has been completed, and not before. The Parties may agree in writing to submit any dispute between the Parties to arbitration. The District agrees to pay the Provider the undisputed amounts due under this Agreement.

The Parties understand and agree that this Termination Article shall govern all termination rights and procedures between the Parties. Any termination provision that is attached to this Agreement as an Exhibit shall be void and unenforceable between the Parties.

ARTICLE 3. COMPENSATION

Section 3.1 Terms Of Payment.

[Section 3.1 and 3.3 to be modified by the District as needed to address specific payment terms.]

In consideration for all Services to be performed by Provider, the District agrees to pay Provider Eighteen Thousand Eight Hundred Dollars (\$18,800) for services as described in Attachment A. Provider shall submit to the District a statement of services rendered with an invoice. The District agrees to pay the amount due to Provider for the Services within 30 days after the Services are

performed.

Section 3.2 No Payroll or Employment Taxes.

No payroll or employment taxes of any kind shall be withheld or paid with respect to payments to Provider. The payroll or employment taxes that are the subject of this Section include, but are not limited to, FICA, FUTA, federal personal income tax, state personal income tax, state disability insurance tax, and state unemployment insurance tax.

Section 3.3 Expenses.

Provider shall be reimbursed for the reasonable and actual out-of-pocket expenses incurred by Provider in the performance of Provider's duties and responsibilities under this Agreement, as provided for in Appendix A, provided that Provider shall first furnish proper vouchers and expense accounts setting forth the information required by the Internal Revenue Service for deductible business expenses.

Section 3.4 Accounting Records of The Provider.

Records of the Provider's direct personnel and authorized reimbursable expenses and records of accounts between the District and Provider shall be kept on a generally recognized accounting basis, and shall be available for inspection by the District at mutually convenient times.

**ARTICLE 4.
OTHER OBLIGATIONS OF PROVIDER**

Section 4.1 Nonexclusive Services.

Provider may represent, perform services for, and/or be employed by such additional companies, persons, or clients as Provider, in Provider's sole discretion, chooses.

Section 4.2 Workers Compensation and Unemployment Insurance And Licenses.

Provider shall be responsible for providing, at Provider's own expense, disability, unemployment and other insurance, workers' compensation, training, permits and licenses for Provider and for Provider's employees, agents and independent Providers, as may be required by law.

Section 4.3 Materials and Equipment.

Provider shall supply all materials and equipment required to perform the Services under this Agreement, except as may be otherwise specified in Appendix A.

Section 4.4 Licenses, Permits, Fees and Assessments.

Provider shall obtain at Provider's sole cost and expense such licenses, permits and approvals as may be required by law for the performance of the Services required by this Agreement. Provider shall have the sole obligation to pay for any fees, assessments, and taxes, plus applicable penalties and interest, which may be imposed by law and arise from or are necessary for Provider's performance of the Services required by this Agreement.

Section 4.5 Fingerprinting.

For any work performed by Provider at District facilities, if and when requested by the District, Provider's employees are required to submit fingerprints to the Department of Justice where an employee may come into contact with students at any District site pursuant to Education Code section 45125.1. The Department of Justice will ascertain whether the employee has a pending criminal proceeding for a violent or serious felony, or has been convicted of a violent or serious felony as those terms are defined in Penal Code sections 667.5(c) and 1192.7(c), respectively. Provider shall not permit an employee to come into contact with students until the Department of Justice has ascertained that the employee has not been convicted of a felony as defined in Education Code section 45125.1. Provider shall provide District with a list of names of employees who may come into contact with students and must certify in writing to the District that none of its employees who may come into contact with students have been convicted of a felony as defined in Education Code section 45125.1. District may request the removal of an employee from a District site at any time. Failure to comply with any of the provisions of this Section may result in termination of this Agreement.

Section 4.6 Confidentiality.

Provider acknowledges that, during the term of this Agreement, Provider may have access to privileged and confidential materials and information in the custody of clients of the District. Provider covenants and agrees to keep such information confidential and not to disclose such information directly or indirectly during, or subsequent to, the term of this Agreement. Provider further acknowledges that, during the term of this Agreement, Provider may obtain and have access to certain proprietary or confidential information, knowledge, technology, data, methods, files, records, and client lists relating to the District's business (collectively, the "Confidential Information"), which the District and Provider agree are proprietary or confidential in nature.

Provider acknowledges that:

- (a) The Confidential Information will be developed and acquired by the District at great expense, is of great significance and value to the District, and constitutes trade secrets;
- (b) The Confidential Information will be made known to the Provider in full reliance on this Agreement;
- (c) The Confidential Information is material and critically important to the effective and successful conduct of the District's business operations and activities; and
- (d) Any use of the Confidential Information by Provider other than for the District's benefit in connection with the business relationship between Provider and the District established by this Agreement will constitute a wrongful usurpation of the Confidential Information by Provider. The Provider hereby agrees to forever hold the Confidential Information in strict confidence and secret; provided, however, that Provider may disclose any or all of the Confidential Information to any corporation, partnership, trust, firm or other business entity not affiliated with the District if prior written consent of the District is obtained by Provider.

Section 4.7 [Reserved]

Section 4.8 Insurance.

Provider shall purchase and maintain policies of insurance with an insurer or insurers, qualified to do business in the State of California and acceptable to District which will protect Provider and District from claims which may arise out of or result from Provider's actions or inactions relating to the Agreement, whether such actions or inactions be by themselves or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable. The aforementioned insurance shall include coverage for:

(a) Workers' Compensation and Employers Liability Insurance in accordance with the laws of the State of California.

(b) Comprehensive general and auto liability insurance with limits of not less than ONE MILLION DOLLAR (\$1,000,000) combined single limit, bodily injury and property damage liability per occurrence, including:

- (i) owned, non-owned and hired vehicles;
- (ii) blanket contractual;
- (iii) broad form property damage;
- (iv) products/completed operations; and
- (v) personal injury.

Section 4.9 Indemnification.

To the fullest extent permitted by law, Provider shall fully indemnify, defend and hold harmless the District, its employees, agents and independent Providers from claims, demands, causes of actions and liabilities of every kind and nature whatsoever arising out of or in connection with Provider's services performed under this Agreement. This indemnification shall extend to claims occurring after this Agreement is terminated as well as while it is in force.

Section 4.10 Return of District Property.

On the termination of this Agreement or whenever requested by the District, Provider shall immediately deliver to the District all property in Provider's possession or under Provider's control belonging to the District in good condition, ordinary wear and tear and damage by any cause beyond the reasonable control of Provider excepted.

ARTICLE 5. PROVIDER'S WORK PRODUCT

Section 5.1 Ownership of Provider's Work Product.

(a) Provider agrees that any and all intellectual properties, including, but not limited to, all ideas, concepts, themes, computer programs or parts thereof, documentation or other literature, or illustrations, or any components thereof, conceived, developed, written, or contributed by Provider, either individually or in collaboration with others, pursuant to this Agreement, shall belong to and be the sole property of District.

(b) Provider agrees that all rights in all works prepared or performed by Provider pursuant to this Agreement, including patent rights and copyrights applicable to any of the intellectual properties described in Subsection (a) above, shall belong exclusively to District and shall constitute “works made for hire.”

(c) The provisions of this Section shall not apply to any of Provider’s rights in any invention for which no equipment, supplies, facilities, or trade secret information of District was used, which was developed entirely on Provider’s own time, and which:

(i) Does not relate, at the time of conception or reduction to practice of the invention, to District’s business or to District’s actual or demonstrably anticipated research or development; or

(ii) Does not result from any work performed by Provider for District.

Section 5.2 Use of Copyrighted Materials.

Provider warrants that any materials provided by Provider for use by District pursuant to this Agreement shall not contain any material that is protected under the Copyright Act or any other similar law, except to the extent of “fair use,” as that concept is defined in the Copyright Act, and except to the extent that Provider has obtained permission to use such work from the copyright holder. Provider shall be solely responsible for ensuring that any materials provided by Provider for use by District pursuant to this Agreement satisfy this requirement. Provider agrees to hold District harmless from all liability or loss, including debt or expense for attorneys’ fees to which District is exposed on account of Provider’s failure to perform this duty.

ARTICLE 6. GENERAL PROVISIONS

Section 6.1 Disputes Resolution.

In the event of any disputes or disagreement between the District and Provider with respect to the interpretation of any provision of this Agreement, or to the performance of the Parties under this Agreement, each Party shall appoint a designated representative to meet in good faith, to resolve the dispute or to negotiate an adjustment to any provision of this Agreement. Such negotiations shall be conducted in a timely manner to avoid undue delay in resolving the dispute. No formal proceeding for judicial resolution of any dispute or disagreement shall be commenced until a Party concludes in good faith and provides written notice to the other Party that an amicable resolution of the matter at issue through continued negotiation does not appear likely.

Section 6.2 Default.

A Party will be considered in default of its obligations under this Agreement if such Party should fail to observe, to comply with, or to perform any term, condition, or covenant contained in this Agreement and such failure continues for ten (10) days after the non-defaulting Party gives the defaulting Party written notice thereof. In the event of default, the non-defaulting Party, upon written notice to the defaulting Party, may terminate this Agreement as of the date specified in the notice, and may seek such other and further relief as may be provided by law.

Section 6.3 Amendments.

This Agreement may not be altered or modified, except by a writing signed by the Parties.

Section 6.4 Status of Provider.

Provider enters into this Agreement, and will remain throughout the term of the Agreement, an independent Provider. Neither Provider nor its employees, agents or independent Providers shall become an employee, joint venturer, partner, agent or principal of the District while this Agreement is in effect. Provider's employees, agents and independent Providers shall not be entitled to the rights or benefits afforded to the District's employees, including disability or unemployment insurance, workers' compensation, medical insurance, sick leave or any other employment benefit.

Section 6.5 Governing Law.

This Agreement shall be governed by and construed according to the laws of the State of California that would apply if all Parties were residents of California and the Agreement was made and performed in California.

Section 6.6 Notices.

All notices and demands between the Parties hereto shall be in writing and shall be served either personally or by registered or certified mail. Such notices or demands shall be deemed given when personally delivered or seventy-two (72) hours after the deposit thereof in the United States mail, postage prepaid, addressed to the Party to whom such notice or demand is to be given or made. Such notices and demands may also be sent by telex, telegraph, telecopier or other similar electronic transmission device providing for a permanent record of the notice or demand, and, if so served, such notice or demand shall be deemed given and made at the time the device confirms to the sender delivery thereof to the addressee.

All notices and demands shall be given as follows:

To the District:

Attn: Bruce Colby,
Chief Business & Operations Officer

Davis Joint Unified School District
526 B Street
Davis, CA 95616-3811

To the Provider:

Attn: Tom C. DeSimone
Project Geologist

Wallace Kuhl and Associates
3050 Industrial Boulevard
West Sacramento, CA 95691

Each Party may designate in writing such other place or places that notices and demands may be given.

Section 6.7 Assignment.

This Agreement shall not be assigned by either Party without the prior written consent of the other Party.

Section 6.8 Order of Precedence.

In the event of any conflict or inconsistency in the interpretation of this Agreement (including Attachments), such conflict or inconsistency shall be resolved by giving precedence to the body of this Agreement, then to the Attachments.

Section 6.9 Agreement Interpretation.

This Agreement is the result of arm's length negotiations between the Parties, and shall be construed as drafted by all Parties such that any ambiguities shall not be construed against either Party.

Section 6.10 Counterparts.

This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, and will become effective and binding upon the Parties as of the Effective Date at such time as all signatories hereto have signed a counterpart of this Agreement.

Section 6.11 Entire Agreement.

This Agreement contains the entire agreement between the Parties with respect to the subject matter of this Agreement and it supersedes all other prior and contemporary agreements, understanding, and commitments between the Parties with respect to the subject matter of the Agreement.

Section 6.12 Severability.

If any provision in this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions will nevertheless continue in full force without being impaired or invalidated in any way.

Section 6.13 Effect of Recitals.

The Recitals and Exhibits herein are deemed true and correct, are hereby incorporated into this Agreement as though fully set forth herein, and the Parties acknowledge and agree that they are bound by the same.

Section 6.14 Force Majeure.

Notwithstanding any other terms and conditions hereof, in the event that a Party is materially unable to perform any of its obligations hereunder because of severe weather, natural disasters, riots, wars, acts of terrorism, governmental action or other events of force majeure beyond the Party's control, then such Party shall, upon written notice to the other Party hereof, be relieved from its performance of such obligations to the extent, and for the duration, that such performance is prevented by such events; provided that such Party shall at all times use its best efforts to resume such performance.

IN WITNESS WHEREOF, the Parties hereto have entered into this Agreement as of the Effective Date of this Agreement.

DISTRICT:


DAVIS JOINT UNIFIED SCHOOL DISTRICT

By: _____

Name and Title: Bruce E. Colby, Chief Business Officer

PROVIDER:

WALLACE KUHL AND ASSOCIATES

By: 
DAVID R. GIUS, JR. / President

Name and Title: ~~Tom C. DeSimone, Project Geologist~~

APPENDIX A
SCOPE OF SERVICES

April 21, 2020

Mr. David Burke
Davis Joint Union School District
1919 5th Street
Davis, California 95616

Geotechnical Engineering and Geologic Hazards Services – Proposal
WILLETT ELEMENTARY SCHOOL – MULTI-PURPOSE BUILDING
1207 Sycamore Lane
Davis, CA 95616
WKA Proposal No. 2PR20120

As requested, we are pleased to submit this proposal to provide geotechnical engineering and geologic hazards services for the proposed new Multi-Purpose Building and renovations at Willett Elementary School located at 1207 Sycamore Lane in Davis, California. To assist with the preparation of this proposal, we have reviewed the conceptual plans prepared by HMC Architects and we have reviewed our files for previous projects performed in the project area.

Proposed Improvements

We understand that a new Multi-Purpose Building will be constructed at the elementary school campus. The rectangular shaped property encompasses a total area of approximately 8 acres and consists of one parcel identified as Yolo County Assessor Parcel Number 034-050-003.

We understand that the project is in the early stages of design, and a final building location has not yet been determined. However, renovations are anticipated to include construction of a new single-story permanent building within the school campus. We anticipate that the building will be constructed of concrete masonry block walls or structural steel framing with an interior concrete slab-on-grade lower floor. The building footprint is indicated to be about 9,200 square feet (sf). We understand that the building floor plan and general design will be the same as planned at the three other Elementary Schools within the School District: Cesar Chavez, Birch Lane, and North Davis Elementary Schools. Our firm is currently performing a *Geotechnical Engineering and Geologic Hazards* study for the same building planned for Birch Lane Elementary School. Associated improvements are anticipated to include the construction of underground utilities, landscaping, and asphalt hardcourt areas.

Grading plans are not available yet; however, based on the existing site topography, we anticipate maximum excavations and fills on the order of one to three feet for development of the proposed campus renovations.

Purpose and Proposed Scope of Services

The purposes of our study would be to evaluate potential geologic hazards that may be influential to the site; explore the site, soil, geologic, seismic, and groundwater conditions in the areas of proposed construction; and, to prepare a report containing our findings, conclusions and recommendations for use by the other members of the design team to prepare contract plans and specifications.

This project will be under the scrutiny of the Division of the State Architect (DSA), who will submit the report to the California Geological Survey (CGS) for review. As part of the review process, CGS has developed minimum investigation, analysis, and reporting criteria for preparation of these reports. These criteria are presented in CGS Note 48. Among the minimum criteria presented in CGS Note 48 is a requirement that the subsurface exploration include at least one boring or exploration shaft per 5000 square feet of building footprint, with a minimum of two borings or exploration shafts for any one building. We understand that the proposed project would be subject to these provisions. Therefore, our intent will be to prepare a report to satisfy the requirements of CGS Note 48 with respect to a geologic hazard assessment and a geotechnical engineering evaluation of school sites.

To accomplish our study, our scope of services would include the drilling and sampling of three borings within or near the planned building footprint. The borings would be advanced to depths ranging from 15 to 20 feet below existing grades or to practical drilling refusal, whichever is encountered first by using a standard truck-mounted drill rig equipped with solid flight, helical augers or hollow-stem augers. Soil sample would be collected from the borings at maximum 5-foot-intervals or at significant changes in lithology by using a modified California sampler and/or Standard Penetration Test sampler. Representative bulk samples would be collected from various locations across the site.

Soil samples would be taken to our laboratory for further classification and selection of testing. Selected soil samples would be tested for, but not limited to, in-situ dry density, natural moisture content, gradations, expansion potential, unconfined compressive strength, plasticity index, and Resistance values.



In addition to the borings, two Cone Penetrometer Tests (CPT) would be advanced within the proposed building footprint. The CPTs would be advanced to 50 feet below existing grades (or practical refusal) for the purposes of evaluating liquefaction potential and developing the necessary geologic cross-section for the project. The CPTs and borings would be backfilled with a slurry of neat-cement, bentonite, and water in accordance with the requirements of Yolo County Department of Community Services, Environmental Health Division.

Prior to performing the subsurface explorations, we would mark the exploration locations and notify the Underground Service Alert (USA) to obtain utility clearance. Although USA will alert public utility agencies, we would also coordinate with personnel familiar with the site to review our proposed exploration locations for conflicts with possible underground utilities that currently exist. We would take precautions not to disturb underground utilities that are clearly marked in the field or brought to our attention; however, we cannot be responsible for damage to unmarked underground utilities or those that are not known to us.

Upon completion of our field investigation, laboratory testing and engineering and geologic analyses, we would prepare a combined *Geotechnical Engineering and Geologic Hazards* (GER-GHZ) report containing:

1. Vicinity map;
2. Site plan that shows the boring locations;
3. Logs of borings;
4. Geologic Cross Section
5. Laboratory test results;
6. Findings regarding site conditions, including;
 - a. Site description
 - b. Site soil and geology
 - c. Groundwater
 - d. Faults and seismicity
 - e. Historic seismicity
 - f. Co-seismic ground deformation
7. Conclusions regarding:
 - a. Geologic hazards (e.g., liquefaction, seismic-induced settlement, landslides, naturally-occurring asbestos, flood hazards, dam inundation, etc.) influencing the site
 - b. 2019 California Building Code (CBC) seismic design parameters
 - c. Bearing capacity
 - d. Expansive soil conditions
 - e. Preliminary soil corrosivity potential based on previous testing



- f. Effect of groundwater on development
 - g. Effect of previous improvements on the planned development
 - h. Excavation conditions
 - i. Soil suitability for use in fill construction
8. Recommendations regarding:
- a. Site clearing and demolition
 - b. Site preparation and fill placement
 - c. Utility trench backfill
 - d. Building foundation design
 - e. Interior and exterior concrete slab support
 - f. Retaining wall design, if needed
 - g. Perimeter wall design
 - h. Site drainage
 - i. Pavement design based on various traffic indices; and,
9. Guide Earthwork Specifications.

The preceding scope of services will be performed under the direct supervision of a Certified Engineering Geologist and Registered Geotechnical Engineer as required by CCR Title 24 and CGS Note 48.

Task 2 – Design Coordination and Plan Review Letter

The purpose of Task 2 of our services would be to coordinate with the project design team, and to prepare a Plan Review letter for the project to verify that the civil and structural improvement plans have been prepared in general accordance with the recommendations contained in our *Geotechnical Engineering Report* for the project. These services would include up to six hours and three hours of project engineer time and senior engineer, respectively.

Fee Estimate

We anticipate that Tasks 1 and 2 described above can be completed for an estimated fee of **\$18,800**. We have summarized the costs for Tasks 1 and 2 as follows:

Task 1 – Geotechnical Engineering and Geologic Hazards Report.....	\$17,300
<u>Task 2 – Design Coordination and Plan Review Letter</u>	<u>\$1,500</u>
Estimated Project Budget	\$18,800
 <i>Optional – After-hours or Saturday Field Exploration</i>	 <i>\$2,200</i>



We would not exceed these fee estimates unless the field explorations uncover conditions requiring additional studies, site access issues arise which delays the field crew, or if our work scope is changed (e.g. revisions to the current site plan such as building locations, number and size of buildings, etc.), and only after receiving authorization from your office for additional work. Final billing will be in accordance with the attached standard schedule of fees for the actual work accomplished.

Please note these fees do not include costs associated with environmental testing and evaluation, or testing and observation services required during construction.

Schedule

We anticipate that project planning and scheduling can begin within one to two days of receiving written authorization to proceed. The boring permit application would be submitted to the YCEHD which may take 5 to 10 business days for approval. The geotechnical field explorations would be scheduled within one week of receiving the approved permit, depending on drill rig availability and site accessibility. Current wait times for drilling and CPT equipment are on the order of three to five weeks. The field explorations should take one day to complete. Laboratory testing would require about one to two weeks to complete; at which time we can provide verbal recommendations to the other design consultants. The final report can be completed within about three to four additional weeks following completion of the laboratory testing.

Project Assumptions

Our services are based on the following assumptions. In the event that any ultimate facts or events differ from such assumptions, our services, schedule, and compensation may need to be adjusted, if necessary.

- Your office will provide contact information regarding site access for the field explorations.
- Costs for private utility locators are not included within our scope of services.
- The site is accessible to a standard truck-mounted drilling and CPT rigs and associated support vehicles.
- The field explorations can be performed during normal business hours, excluding weekends and holidays. If after-hours or Saturday work is required, extra costs would apply.
- We anticipate that soil cuttings from the borings will not be contaminated and excess soil can be spread out on site. Costs to drum, characterize and dispose of drilling waste are



not included within our scope of services.

- This project is subject to current prevailing wage laws; therefore, we have included these costs in our estimate.

Department of Industrial Relations (DIR) Number

We understand that the project will be subject to current prevailing wage laws. We request that your firm provide the project number issued by the Department of Industrial Relations in the space provided below:

DIR No. _____

This DIR number will allow us to properly submit certified payroll documentation as required by the State. If the DIR number is not available, please notify us.

Authorization

Our agreement for this work is attached to this proposal. If the contents of this proposal are acceptable, please indicate so by signing one copy of the attached agreement as our written authorization to proceed. We will then sign and return a fully-executed copy for your files. If the District uses its own contract form, please provide a copy for our review as soon as possible. Contract documentation should reference this proposal. This proposal is valid for 60 days from the date shown on this proposal.

We appreciate the opportunity to submit this proposal and look forward to the possibility of providing you with our services. If you have questions regarding this proposal or scope of services, please do not hesitate to contact me at (916) 372-1434.

Wallace-Kuhl & Associates



Tom C. DeSimone
Senior Engineering Geologist
PG No. 9067, Exp. 1/31/21
CEG No. 2715, Exp. 1/31/21

Attachments: Geotechnical Services Agreement
Schedule of Fees 2020P



DAVIS JOINT UNION SCHOOL DISTRICT ("CLIENT") and River City Geoprosessionals, Inc., dba **WALLACE - KUHL & ASSOCIATES ("WKA")** agree:

1. **PROFESSIONAL SERVICES.** **WKA** will perform professional services and will receive compensation pursuant to the terms and conditions of the attached proposal letter dated April 21, 2020, which is incorporated herein by reference. In performing professional service, **WKA** shall use that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of the geotechnical engineering profession practicing under similar conditions at the same time and in the same or similar locality. **CLIENT** understands and acknowledges the inherent risks connected with construction and agrees that no warranty, either express or implied, is included in this Agreement or in any drawing, specification, report or opinion produced pursuant to this Agreement.

CLIENT recognizes that subsurface conditions beneath the project site may vary from those encountered in borings, surveys or explorations and that information and recommendations developed by **WKA** are based solely on the information available to it. Any exploration, testing surveys and analysis associated with the work will be performed by **WKA** solely to fulfill the purpose of this Agreement and **WKA** is not responsible for interpretation by others of the information developed.

2. **DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS.** **WKA** is undertaking this study with the belief there are no hazardous materials on the site. Hazardous materials may exist at a site where there is not reason to believe they could or should be present. **WKA** and **CLIENT** agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. **WKA** and **CLIENT** also agree that the discovery of unanticipated hazardous materials may make it necessary for **WKA** to take immediate measures to protect health and safety, and **CLIENT** agrees to compensate **WKA** for any such extra work. **CLIENT** also recognizes there is a risk that sampling through an unknown contaminated zone may result in spread of contamination to an aquifer, underground stream, or other hydrous body not previously contaminated with resultant spreading of hazardous materials off-site. **CLIENT** recognizes nothing can be done to prevent such an occurrence because such sampling is a necessary aspect of the work that **WKA** will perform for **CLIENT**'s benefit. **CLIENT** waives any claim against **WKA** and agrees to defend, indemnify and save **WKA** harmless from any claim or liability for injury or loss of any type arising from **WKA**'s discovery of unanticipated hazardous materials on a site, or from the spread of such contamination to an aquifer, underground stream, or other hydrous body not previously contaminated due to **WKA**'s performance under this Agreement.

3. **SAMPLES.** **WKA** will destroy all samples upon completion of testing unless directed by **CLIENT** in writing to retain them. Upon written notice, **WKA** will deliver samples to **CLIENT**, charges collect, or will arrange for storage of samples at an agreed location for an agreed storage charge.

4. **PAYMENT.** **WKA** will submit invoices for services rendered on a periodic basis; provided, however, said invoices shall not be submitted more frequently than once every 30 days. Invoices shall be due upon receipt, but shall not be considered delinquent if paid on or before the expiration of 30 days from date of mailing. If payment is not so made, a late payment charge shall be due on the invoice amount at the rate of one and one-half percent (1½%) per month on the unpaid balance from the date of the invoice until paid. In the event of delinquency, **CLIENT** shall pay the actual cost of collection including, without limitation, reasonable attorneys' fees. If the **Client** is an LLC, the representative of the **Client** signing this agreement shall be personally responsible and guarantee payment of all invoices.

5. **RIGHT-OF-ENTRY.** Unless otherwise agreed, **CLIENT** will furnish right-of-entry for **WKA** to make borings, surveys and/or explorations. **WKA** will take reasonable precautions to reduce damage to property. However, it is understood by **CLIENT** that in the normal course of work, some damage may occur. **CLIENT** recognizes that it is his responsibility to inform the property owner of the discovery of unanticipated hazardous materials or suspected hazardous materials or damage to property incurred in the normal course of work.

6. **UTILITIES.** **WKA** will request responsible utility owners to locate off-site lines. **CLIENT** agrees to be solely responsible for designating the locations of all utility lines and subterranean structures within the property lines of the project. **WKA** will not be liable for damage to subterranean structures (pipes, tanks, conduits, wires, etc.) that are not correctly located on or off the site.

7. **JOB SITE.** **CLIENT** agrees that the construction contractor will be required by **CLIENT** to assume sole and complete responsibility for job site conditions during construction of the project, including safety of persons and property. **CLIENT** further agrees to indemnify and hold **WKA** harmless from any and all liability in connection with the performance of work during construction of this project, excepting liability arising directly from the negligence of **WKA**.

8. **REPORTS.** Reports, plans and other work prepared by **WKA** remain the property of **WKA**. **CLIENT** agrees that all reports and other work furnished to the **CLIENT** and his agents not paid for will be returned upon demand, and will not be used for licensing, permits, design and/or construction.

9. **LIABILITY.** **WKA** carries workers' compensation insurance and public liability insurance for bodily injury and property damage that may be suffered by third parties and members of the public who are not covered by the limitation of liability set forth below in Paragraph 10. Certificates of coverage will be furnished to **CLIENT** upon written request. **WKA** assumes the risk of damage caused by its personnel to its supplies and equipment. In the event **CLIENT** desires greater insurance coverage and directs **WKA** to take out additional insurance, **WKA** shall procure and maintain additional insurance, if procurable, at **CLIENT**'s expense; provided, however, **WKA** shall not be responsible for property damage and bodily injury resulting from any cause, including fire and explosion, beyond the amount and coverage of **WKA**'s insurance.

10. **LIMITATION OF LIABILITY.** **WKA**'s liability for damages due to alleged negligent professional acts, errors and omissions will be limited to a sum not to exceed \$50,000 or **WKA**'s total fee, whichever is greater. Notwithstanding any other provision herein to the contrary, **WKA** shall not be responsible or held liable for any special, indirect or consequential damages resulting in any way from **WKA**'s performance under this Agreement.

11. **GOVERNING LAW; DISPUTES.** This Agreement shall be governed by the laws of the State of California. Should either party hereto bring suit in court to enforce any term of the Agreement, it is agreed that each party shall bear the cost of their own legal expenses.

DAVIS JOINT UNION SCHOOL DISTRICT**WALLACE - KUHL & ASSOCIATES**_____
Signature_____
Name printed or typed_____
Title_____
Date_____
Company Address_____
Signature_____
Tom DeSimone/ Senior Engineering Geologist, CEG No. 2715
Name/Title_____
Date

PROFESSIONAL SERVICES

Principal Engineer / Geologist	\$190.00	per hour
Senior Engineer / Geologist	\$190.00	per hour
Senior Environmental Scientist	\$190.00	per hour
Project Engineer / Geologist	\$155.00	per hour
Project Environmental Scientist	\$155.00	per hour
Senior Staff Engineer / Geologist	\$145.00	per hour
Senior Staff Environmental Scientist	\$145.00	per hour
Staff Engineer / Geologist	\$140.00	per hour
Staff Environmental Scientist	\$140.00	per hour
Senior Environmental Technician	\$115.00	per hour
Senior / Supervising Technician	\$115.00	per hour
Draftsperson / GIS Technician	\$110.00	per hour
Administrative Assistant	\$85.00	per hour

FIELD INVESTIGATION TESTING

Seismic Refraction Survey	\$190.00	per hour
Thermal Resistivity Testing	\$190.00	per hour
Electrical Resistivity Survey	\$190.00	per hour
Hand Augering/Sampling - Engineer	\$170.00	per hour
Photoionization Detector	\$190.00	per hour
Rebar Location / GPR	\$310.00	per hour

LITIGATION

Data Review/Consultation	\$275.00	per hour
Depositions/Expert Witness Testimony	\$380.00	per hour

EXPENSES

Vehicle Charges (<i>Subject to periodic adjustment due to fuel cost</i>)	\$0.75	per mile
Subsistence	\$70.00	per day
Lodging	Cost	
Services by Associate Firms and other outside services	Cost	plus 20%
Equipment rental, freight, special materials	Cost	plus 20%
Extra Report Copies		
Black and white versions	\$25.00	each
Color photography versions	\$35.00	each

PREMIUM CHARGES

Overtime and Saturdays	hourly rate plus	40	percent
Sunday and Holidays, and over 8 hrs on Saturday	hourly rate plus	75	percent

SHIFT DIFFERENTIAL

A 25 percent shift differential surcharge will be added to the hourly rate of personnel involved in scheduled testing work between the hours of 6 P.M. and 5 A.M., as well as a four hour minimum.



FIELD SERVICES

CONCRETE & REINFORCING STEEL

Ball Penetration (Kelly Ball)	\$140.00 /hr.
Batch Plant Inspection	\$110.00 /hr.
CaCl Moisture Emission Test Kit	\$35.00 /kit
CaCl Moisture Emission Testing	\$105.00 /hr.
CLSM/CDF/Slurry Testing	\$105.00 /hr.
Concrete Mix Design Review	\$190.00 /hr.
Concrete Placement Obs/Cast Cylinder	\$110.00 /hr.
Concrete Rebound Number Testing	\$140.00 /hr.
Concrete Trial Batch	\$110.00 /hr.
Floor Flatness Testing	\$140.00 /hr.
High Strength Grout Sampling / Testing	\$110.00 /hr.
Rebar / Post Tension Special Inspection	\$115.00 /hr.
Rebar Location / GPR	\$310.00 /hr.
Rebar Location / Pachometer	\$140.00 /hr.
Rebar Placement Inspection	\$115.00 /hr.
Reinforcing Steel Sampling/Tagging	\$110.00 /hr.
Relative Humidity Testing	\$140.00 /hr.
Shotcrete Special Inspection	\$110.00 /hr.
Transport Cylinders / Samples to Lab	\$110.00 /hr.

CORING

Coring (Technician + equipment)	\$140.00 /hr.
Coring (Technician assistant)	\$110.00 /hr.

POST-INSTALLED ANCHORS

Concrete Anchor Installation Inspection	\$110.00 /hr.
Concrete Anchor Proof Load Testing	\$140.00 /hr.
Concrete Anchor Torque Testing	\$115.00 /hr.
Suspended Ceiling Inspection / Testing	\$140.00 /hr.

STRUCTURAL STEEL

Fireproofing Special Inspection / Testing	\$110.00 /hr.
High Strength Bolt Special Inspection	\$115.00 /hr.
Material Identification	\$115.00 /hr.
Non-Destructive Testing - UT/MT/PT	\$125.00 /hr.
Tower Certified Special Inspector	\$140.00 /hr.
Welding Special Inspection - Field	\$115.00 /hr.
Welding Special Inspection - Shop	\$115.00 /hr.

MASONRY

In-Place Masonry Flatjack Testing	\$170.00 /hr.
In-Place Masonry Shear Testing	\$140.00 /hr.
Masonry Materials Sampling / Testing	\$110.00 /hr.
Masonry Special Inspection	\$110.00 /hr.
Masonry Special Inspection DSA Cert.	\$120.00 /hr.

SOILS & ASPHALT CONCRETE

Asphalt Concrete Inspection / Testing	\$115.00 /hr.
Asphalt Concrete Materials Sampling	\$115.00 /hr.
Building Pad Special Inspection / Testing	\$115.00 /hr.
Deep Foundation Inspection	\$115.00 /hr.
Flatwork AB Inspection / Testing	\$115.00 /hr.
Flatwork Subgrade Inspection / Testing	\$115.00 /hr.
Grading Inspection / Testing	\$115.00 /hr.
Hand Augering and Sampling	\$145.00 /hr.
Pavement AB Inspection / Testing	\$115.00 /hr.
Pavement Subgrade Inspection / Testing	\$115.00 /hr.
Proof Rolling Observation	\$115.00 /hr.
Shallow Foundation Inspection	\$115.00 /hr.
Slab Subgrade Soil Moisture Tests	\$115.00 /hr.
Soil / Aggregate Sampling	\$115.00 /hr.
Soil Treatment Testing / Observation	\$115.00 /hr.
Structure Backfill Inspection / Testing	\$115.00 /hr.
Subgrade Stabilization Observation	\$115.00 /hr.
Utility Trench Backfill Testing	\$115.00 /hr.
WKA Drill Rig (including operator)	\$235.00 /hr.
WKA Drill Rig (helper)	\$115.00 /hr.

SPECIALIZED SERVICES

Coefficient of Friction Testing	\$145.00 /hr.
Crack Monitoring	**
Epoxy / FRP Installation Inspection	\$110.00 /hr.
Existing Building Evaluation / Demo	\$110.00 /hr.
Existing Building Evaluation / Document	\$110.00 /hr.
Existing Building Evaluation / Repair	\$110.00 /hr.
Field Investigate Support	\$110.00 /hr.
Firestopping Inspection	\$125.00 /hr.
GFRC Inspection / Testing	\$110.00 /hr.
Glulam / Truss Fabrication Inspection	\$120.00 /hr.
Glulam / Truss Inspection Travel	\$85.00 /hr.
Meggar Ground Testing	\$140.00 /hr.
Prestress Framing Installation	\$110.00 /hr.
Proto Wall Inspection / Testing	\$110.00 /hr.
Roofing Inspection	\$110.00 /hr.
Shear Nailing Inspection	\$110.00 /hr.
Soil Elect. Resistivity Testing - Technician	\$145.00 /hr.
Thickness Testing - Coating / Steel	\$140.00 /hr.
Timber Framing / Hardware Inspection	\$110.00 /hr.
Timber-in-Structure Inspection	\$140.00 /hr.
Vapor Barrier Inspection	\$110.00 /hr.
Vibration Monitoring	**

GENERAL

Inspection / Testing Cancelled	*
Reinspection / Retesting	*
Stand-by Time	*

* Based on hourly rate of Inspection or Testing scheduled

** Based on Staff Classification

MINIMUM CHARGES

A two hour minimum charge will apply to field technician services with the following exceptions:

- Single trip pickup and delivery services, where a one hour minimum will apply.
- Saturday, Sunday and holidays, where a four hour minimum charge will apply.



LABORATORY SERVICES**SOIL**

Atterberg Limits (LL/PI)	ASTM D4318	\$160.00	each
CLSM/CDF/Soil Cement Compression Test	ASTM D4832	\$60.00	each
Compaction Characteristics	ASTM D698	\$260.00	each
Compaction Characteristics	ASTM D1557	\$260.00	each
Compaction Characteristics	CTM 216	\$260.00	each
Consolidation (8 loads + 1 rebound)	ASTM D2435	\$470.00	each
Consolidation (additional loads)	ASTM D2435	\$55.00	each
Expansion Index	ASTM D4829	\$195.00	each
Hydraulic Conductivity, Flexible Wall Permeability	ASTM D5084	\$420.00	each
Lime-Treated Unconfined Compression	CTM 373	\$800.00	each
Moisture Content	ASTM D2216	\$30.00	each
Organic Content	ASTM D2974	\$100.00	each
Particle-Size Distribution - Hydrometer	ASTM D7928	\$160.00	each
Particle-Size Distribution - Sieve Analysis	ASTM D6913	\$110.00	each
Resistance "R" Value - Laboratory Lime-Treated	ASTM D2844, CTM 301	\$315.00	each
Resistance "R" Value - Untreated	ASTM D2844, CTM 301	\$265.00	each
Sieve Analysis - Passing No. 200 only	ASTM D1140	\$95.00	each
Specific Gravity of Soils	ASTM D854	\$140.00	each
Thermal Resistivity	ASTM D5334	\$80.00	each
Triaxial Compression Test, 1 point - Remolded	ASTM D4767	\$335.00	each
Triaxial Compression Test, 1 point - Undisturbed	ASTM D4767	\$260.00	each
Triaxial Compression Test, 3 Pt. Staged - Remolded	ASTM D4767	\$390.00	each
Triaxial Compression Test, 3 Pt. Staged - Undisturbed	ASTM D4767	\$305.00	each
Unconfined Compression Test	ASTM D2166	\$110.00	each
Unit Weight/Moisture Content - Tube Sample	ASTM D2937/D2216	\$40.00	each

AGGREGATE

Aggregate Unit Weight	ASTM C29	\$60.00	each
Clay Lumps and Friable Particles	ASTM C142	\$160.00	per size
Cleanliness Value	CTM 227	\$170.00	each
Durability Index (Coarse or Fine)	CTM 229	\$165.00	each
Flat and Elongated Particles in Coarse Aggregate	ASTM D4791	\$120.00	per size
Fractured/Crushed Particles	ASTM D5821, CTM 205	\$120.00	per size
Organic Impurities in Fine Aggregates	ASTM C40	\$65.00	each
Resistance "R" Value - Aggregate	CTM 301	\$315.00	each
Sand Equivalent, 1 point	CTM 217	\$100.00	each
Sand Equivalent, 3 points	CTM 217	\$135.00	each
Sieve Analysis - Coarse or Fine	ASTM C136, CTM 202	\$110.00	each
Sieve Analysis - Passing No. 200 only	ASTM C117	\$95.00	each
Sodium Sulfate Soundness	ASTM C88, CTM 214	\$160.00	per size
Specific Gravity and Absorption (Coarse or Fine)	ASTM C127, C128	\$130.00	each

ASPHALT CONCRETE

Asphalt Content (Ignition Oven)	ASTM D6307, CTM 382	\$260.00	each
Hveem Compacted Unit Weight, 1 point	ASTM D1560/D2726		
	CTM 304/308	\$110.00	each
Laboratory Test Maximum Density (LTMD), 5 points	CTM 375	\$360.00	each
Marshall Compacted Unit Weight, 1 point	ASTM D6926/D2726	\$110.00	each
Sieve Analysis of AC Aggregate (Coarse and Fine)	ASTM D5444, CTM 202	\$180.00	each
Stabilometer Value, 1 point	CTM 366	\$135.00	each
Theoretical Maximum Density	ASTM D2041, CTM 309	\$160.00	each
Thickness of AC Cores	ASTM D3549	\$20.00	each
Unit Weight of AC Cores	ASTM D2726, D1188, CTM 308	\$60.00	each



LABORATORY SERVICES

CONCRETE

Compression Test, Concrete Cylinder	ASTM C39	\$30.00	each
Compression Test, Concrete Cylinder - Hold	ASTM C39	\$25.00	each
Compression Test, Concrete Core	ASTM C42, C39	\$85.00	each
Compression Test, Shotcrete Core	ASTM C42, C39	\$110.00	each
Compression Test, High Strength Grout	ASTM C1107/C109	\$45.00	each
Concrete Cylinder Mold		\$7.00	each
Density / Unit Weight of Concrete	ASTM C567, C642	\$100.00	each
Flexural Strength Test, Concrete Beam	ASTM C78	\$115.00	each
Laboratory Drying Shrinkage Test, per beam	ASTM C157	\$195.00	each
Splitting Tensile Test, Concrete Cylinder	ASTM C496	\$85.00	each

MASONRY

Brick			
Compression Test	ASTM C67	\$70.00	each
Modulus of Rupture	ASTM C67	\$80.00	each
Absorption	ASTM C67	\$95.00	each
Concrete Masonry Unit			
Compression Test	ASTM C140	\$80.00	each
Absorption & Moisture Content	ASTM C140	\$80.00	each
Linear Drying Shrinkage	ASTM C426	\$220.00	each
Compression Test, Composite Masonry Prism	ASTM C1314	\$140.00	each
Compression Test, Masonry Grout	ASTM C1019	\$45.00	each
Compression Test, Mortar	ASTM C780/C109	\$40.00	each
Core Shear Test	CBC Section 2105A	\$95.00	each
Masonry Core Compression Test	CBC Section 2105A	\$80.00	each

STEEL

Anchor Bolt Tensile Test	ASTM F606	\$110.00	each
Fireproofing Density Test	ASTM E605	\$100.00	each
High Strength Bolt Assembly Laboratory Testing			
Bolt - Wedge Tension Test	ASTM F606	\$80.00	each
Bolt - Proof Load Test	ASTM F606	\$80.00	each
Bolt - Hardness Test	ASTM E18	\$40.00	each
Nut - Proof Load Test	ASTM F606	\$80.00	each
Nut - Hardness Test	ASTM E18	\$40.00	each
Washer - Hardness Test	ASTM E18	\$40.00	each
Prestressing Steel Strand Tensile Test	ASTM A416/A1061	\$150.00	each
Reinforcing Steel (Rebar) Tensile Test			
Up to No. 7	ASTM A615, A706/A370	\$90.00	each
From No. 8 through No. 14	ASTM A615, A706/A370	\$120.00	each
Reinforcing Steel (Rebar) Bend Test	ASTM A615, A706/A370	\$50.00	each
Structural Steel Tensile Test			
Up to 3/4"	ASTM A370	\$110.00	each
Sizes Larger Than 3/4"	ASTM A370	\$125.00	each
Machining of Test Specimens		cost plus 20%	
Structural Steel Hardness Test	ASTM E18	\$85.00	each
Torque Wrench Calibration Test (min. of 4 wrenches)		\$85.00	each
Weld Assembly, Guided Bend/Macroetch/T-Bend Test	AWS D1.1, ASTM E190	\$85.00	per test
Welder Qualification Test Inspection		\$95.00	per hour
Welder Qualification Test Record		\$100.00	each

TESTING SERVICES

Laboratory Technician		\$95.00	per hour
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