

September 28, 2021

City of St. Helens  
Attn: Matt Brown  
265 Strand Street  
St. Helens, Oregon 97051

**Re: Agreement for Geotechnical Engineering Services**  
St. Helens Public Safety Building  
Old Portland Road and Kaster Road  
St Helens, Oregon  
P203864

Dear Matt Brown:

## **Introduction**

Hart Crowser, a division of Haley & Aldrich (Hart Crowser), is pleased to present this Services Agreement to the city of St. Helens for providing geotechnical engineering services for the proposed public safety building located at the corner of Old Portland Road and Kaster Road in St. Helens, Oregon. The scope of services described herein is based on our correspondence with Ralph Henderson at Mackenzie and our knowledge of subsurface conditions in the site vicinity.

## **Project Understanding**

The irregularly shaped property is comprised of one parcel (040109AB) totaling approximately 2 acres on the northeast side of Kaster Road, just southeast of Old Portland Road. The site is bound by multi- and single-family residential properties to the north, undeveloped property to the south, east, and west, and FARA fitness center to the southwest.

The property is undeveloped and is a grassy field with trees and shrubs. The project site generally slopes downward from northwest to southeast with elevations along the northwestern edge of the property at about 65 feet (NAVD 88). Elevations along the southeastern portion of the property are at about an elevation of 55 feet. In the center of the northeastern portion of the property, there appears to be a rock outcrop. At this location, the ground surface elevation rises to approximately an elevation of 71 feet. The elevation then drops abruptly to 51 feet near the southeastern property border.

The configuration of the development is still being planned, although we anticipate a one- to two-story building and a new roadway constructed along the southeastern edge of the development connecting



SE 15th Street to Kaster Road. We understand the new building will be used as a police station. Associated parking and landscaping would be included in the development. Based on our experience with similar developments, we anticipate the building will be supported on shallow footings with structural loads between 3 and 5 kips per lineal foot for strip footings and up to 100 kips for column footings.

Based on the existing gradients of the site, we anticipate grading will include mass cuts and fills of up to 10 feet thick. These cuts will likely be into hard bedrock. We anticipate new paving will be constructed throughout the site, including asphalt drive aisles and parking stalls, and possibly concrete sidewalks and trash container pads.

The geology of the site is mapped as Columbia River Basalt. We anticipate the regional groundwater level is approximately 50 feet below ground surface (bgs), though localized perched groundwater may be present atop the bedrock. The site is mapped within the 100-year and 500-year floodplain, per the Oregon HazVu: Statewide Geohazards Viewer website. These conditions will likely result in the following geotechnical outcomes.

- Site soils are typically suitable for support of similar buildings using conventional spread footings.
- As the building being constructed is a police station, a site-specific seismic hazard analysis will be required, per section 1803.3.2 of the Oregon Structural Specialty Code (OSSC).
- Hard rock excavation will be encountered, and blasting may be required.

## Scope of Services

Based on our communication with Mackenzie and our knowledge of the project area, Hart Crowser proposes to conduct the following scope of services.

- Review relevant, readily available geologic maps that cover the site vicinity to evaluate geologic and regional soil mapping and nearby geotechnical reports found in our files or provided by others.
- Conduct a geotechnical reconnaissance of the site, mark the site for utility locators, and notify the “One-Call” service for public utility locates.
- Conduct a program of subsurface exploration and *in situ* testing to characterize subsurface conditions at the site, including:
  - Advancing up to 10 test pits to depths between 4 and 12 feet bgs, or refusal on bedrock, whichever comes first;



- Observing the exploration, logging the subsurface conditions, collecting representative soil and rock samples, and transporting the samples to our laboratory for further visual examination and testing.
- Perform infiltration testing at up to four locations and at up to two elevations at each location.
- Performing surface shear wave velocity testing for support of the required probabilistic seismic hazard analysis and to aid in the determination of on-site rock rippability. These services will be subcontracted.
- Conduct a program of laboratory testing on select soil and/or rock samples to evaluate engineering properties of the materials. For budgeting purposes, we have assumed our testing will include moisture content and grain size distribution determinations. However, actual tests will depend upon the materials encountered during our explorations.
  - Upon approval, we will also perform a suite of general corrosivity tests on collected soil samples. These tests are not included in the base project fee and will require additional costs.
- Evaluate seismic hazards, including ground shaking and ground shaking amplification, liquefaction, and lateral spread, if needed.
- Performing a site-specific seismic hazard investigation per the requirements of the OSSC.
- Conduct engineering analyses to develop geotechnical design recommendations for infiltration systems, foundations, pavements, and seismic design criteria.
- Evaluate construction issues, such as rock rippability, temporary cuts, shoring, etc.
- Prepare a report outlining our findings and recommendations, including information related to the following:
  - Subsurface soil and groundwater conditions,
  - Seismic hazards including a site-specific seismic hazard report,
  - Site preparation and grading,
  - Utility trench construction,
  - Foundation design parameters,
  - Infiltration test results and recommendations, and
  - Pavement design.



- Prepare earthwork and pavement (asphalt and concrete) specifications using template formats provided by Mackenzie.
- Provide project management and support services, including coordinating staff and subcontractors, and conducting telephone consultations and email communications with you and the design team, etc.

Our geotechnical work will be directly supervised by a Geotechnical Engineer licensed in the state of Oregon. We will apply the necessary professional seal to our work.

## Assumptions

In preparing our scope of services and fee estimate, we have made the following assumptions.

- Restoration of the exploration holes will be limited to backfilling the test pits with spoils that are lightly tamped with the excavator bucket.
- No restoration of vegetation at or near exploration sites will be required.
- No groundwater monitoring wells are required due to the great depth to the mapped water table.
- Permeable pavements will not be proposed, therefore testing for soil suitability for treatment is not needed.
- You will provide right-of-access to the property.
- You will provide pavement design life and vehicle loading criteria.
- Contaminated soils will not be encountered.
- Our scope of services does not include evaluation of gases (e.g. radon) or contaminated materials.

If these assumptions are incorrect, please inform us so that we may review and update our scope and fee estimate, if necessary.

## Project Fee and Schedule

We will complete our geotechnical investigation and design work on a lump sum basis for a fee of **\$40,500** as outlined on the attached table. If lab testing for soil corrosivity is determined to be necessary, we will complete additional testing on a time and materials basis for an estimated fee of **\$750**.



We will schedule our work immediately after receiving your notice-to-proceed (NTP). The field work will typically be scheduled 2 to 3 weeks following NTP. The field work will require approximately 2 days to complete. Laboratory testing will then require approximately 1 to 2 weeks to complete. We plan to issue our draft report within 4 to 6 weeks after completing field activities. However, we will provide preliminary findings as they become available so that planning and design can proceed concurrently.

## **Future Construction Support**

Based on our experience with projects of similar size and site conditions, we estimate up to 20 part-time site visits will be required to evaluate site subgrade preparation, fill placement and compaction, building slab and footing subgrade preparation, pavement subgrade preparation, infiltration system subgrade preparation, pavement and slab aggregate base preparation, and other miscellaneous geotechnical aspects of construction.

We anticipate that each part-time visit will require 4 to 6 hours (average 5 hours), including time for field observations, travel, and daily field report preparation. We estimate our costs for these site visits, plus laboratory testing, project management, and support will be approximately **\$15,000 to \$20,000**. However, actual costs may vary, depending upon the actual number of site visits requested, weather, contractor scheduling, etc.

These construction support services, if requested, will be authorized via a change order in the future.

## **Terms and Authorization**

The scope of services outlined above will be billed on a lump sum basis at the end of each month as a percent of project completed. Our services will be performed in accordance with the standard of care of our profession. If project requirements change, requiring additional work, we will notify you and seek your approval for an addendum to the estimated project cost. The attached Terms and Conditions and any exhibits or attachments referenced herein are incorporated into our agreement with you, and, by your authorization to proceed, you are agreeing to these Terms and Conditions.

Please acknowledge your acceptance of this work by having this letter agreement properly signed and returning a signed copy to us. Any changes to our agreement must be in writing and mutually agreed to. We intend to use the attached example Contract Change form to effectively implement and document any changes. We suggest that any future work performed for you be completed as an amendment to this contract.



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We appreciate this opportunity to submit our proposal and look forward to your favorable consideration. If we may provide any additional information or clarification of this proposal, please call us.

Sincerely,

**HART CROWSER, A DIVISION OF HALEY & ALDRICH**

**DANIEL J. TRISLER, P.E., G.E.**  
Principal, Geotechnical Engineer

Cc: Ralph Henderson, Mackenzie

Attachments:

Terms and Conditions (HCdHA STC 2020)  
Contract Change Form Example  
Summary of Hours and Expenses

**ACCEPTED FOR THE CITY OF ST. HELENS BY:**

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Signature

Date

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Name/Title - Please Print

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1. **INTRODUCTION.** These Standard Terms and Conditions, together with the accompanying proposal and any attachments thereto ("Proposal"), constitute the Agreement between Haley & Aldrich, Inc., including its affiliates and subsidiaries ("Haley & Aldrich"), and the entity or person to whom the proposal is addressed ("Client") for the project at the project site ("Site") as may be referenced in the Proposal. Both parties agree that no third-party beneficiaries are intended by this Agreement, which is defined to include these Terms and Conditions and Haley & Aldrich's Proposal.
2. **HEADINGS.** The headings used in these terms and conditions are inserted for the convenience of the parties and shall not define, limit, or describe the scope or the intent of the provisions set forth herein.
3. **PERFORMANCE OF SERVICES.** Client agrees that Haley & Aldrich has been engaged to provide professional services only, and that Haley & Aldrich does not owe a fiduciary responsibility to Client. Haley & Aldrich's services will be performed in accordance with generally accepted practices of engineers and/or scientists providing similar services at the same time, in the same locale, and under like circumstances ("Standard of Care"). No warranty, expressed or implied, is included or intended by this Agreement.
4. **CLIENT RESPONSIBILITIES.** Except as otherwise agreed, Client will secure the approvals, Site access, permits, licenses, and consents necessary for performance of Haley & Aldrich's services under this Agreement. Client shall provide Haley & Aldrich with a plan delineating the boundaries of the Site and all documents, reports, surveys, plans, drawings, information concerning known or suspected Site conditions, above and below ground, information related to hazardous materials or other environmental or geotechnical conditions at the Site, utility information and other information that is reasonably foreseeable to be pertinent to Haley & Aldrich's services under this Agreement. If Client is not the owner of the Site, Client will make all reasonable attempts to obtain these same documents and provide them to Haley & Aldrich. Unless otherwise agreed to in writing by Haley & Aldrich, Haley & Aldrich shall be entitled to rely on documents and information Client provides.
5. **PAYMENT.** Invoices will generally be submitted monthly. Payment will be due within thirty (30) days of invoice date. Interest will be added to accounts in arrears at the rate of one and one-half (1.5) percent per month on the outstanding balance. In the event Haley & Aldrich must engage counsel to enforce overdue payments, Client will reimburse Haley & Aldrich for all attorney's fees and court costs.
6. **INSURANCE.** Haley & Aldrich will maintain: workers' compensation insurance as required under the laws of the state in which the services will be performed; commercial general liability insurance with a combined single limit of \$1,000,000 per occurrence and \$2,000,000 in the aggregate for bodily injury, including death and property damage; automobile liability insurance with a combined single limit of \$1,000,000 per occurrence; professional liability insurance in the amount of \$1,000,000 per claim and in the aggregate; and contractor's pollution liability insurance in the amount of \$1,000,000 per occurrence and in the aggregate.
7. **OWNERSHIP OF DOCUMENTS AND AUTHORIZED USE.** All documents and all processes created, prepared, or furnished under this Agreement by Haley & Aldrich are its instruments of service and all ownership and copyright rights of the same shall remain with Haley & Aldrich. Haley & Aldrich's instruments of service are prepared solely for Client and made available to Client only for the purpose set forth in the Proposal. Client may make and retain copies of Haley & Aldrich's instruments of service, opinions, or reports or otherwise related documents ("Instruments of Services") for the project at the Site. Any (1) reuse or modification of Haley & Aldrich's Instruments of Services without written verification or adaption by Haley & Aldrich for the specific purpose intended and/or (2) unauthorized use of, or reliance upon, Haley & Aldrich's Instruments of Services by any other party, or for any other project or purpose, except and unless Haley & Aldrich provides prior written authorization, shall be at Client's and/or any third party's sole risk and without any liability or legal exposure to Haley & Aldrich. Client shall indemnify, defend, and hold harmless Haley & Aldrich from all claims, damages, losses, and expenses, including attorney's fees, arising out of or resulting therefrom. Client agrees that any such verification or adaptation of Haley & Aldrich's documents and processes shall entitle Haley & Aldrich to just and proper compensation.
8. **CONFIDENTIALITY.** Haley & Aldrich will hold confidential all business and technical information obtained or generated in performing of services under this Agreement. Haley & Aldrich will not disclose such information without Client's consent except to the extent required for: (1) performance of services under this Agreement; (2) compliance with professional standards of conduct for preservation of the public safety, health, and welfare; (3) compliance with any court order, statute, law, or governmental directive; and/or (4) protection of Haley & Aldrich against claims or liabilities arising from the performance of services under this Agreement. Haley & Aldrich's obligations hereunder shall not apply to information in the public domain or lawfully obtained on a non-confidential basis from others.

9. **SUSPENSION OF WORK AND TERMINATION.** Client may, at any time, suspend further work by Haley & Aldrich or terminate this Agreement. Suspension or termination shall be by written notice effective three (3) business days after receipt by Haley & Aldrich. Client agrees to compensate Haley & Aldrich for all services performed and commitments made prior to the effective date of the suspension or termination, together with reimbursable expenses including those of subcontractors, subconsultants, and vendors. Client acknowledges that its failure to pay all invoices on time and in full, including accrued interest, may result in a suspension of services by Haley & Aldrich. In the event of a suspension of services due to Client's failure to pay all invoices on time and in full, Haley & Aldrich shall have no liability to Client for delay or damage to Client or others because of such suspension of services.
10. **FORCE MAJEURE.** Except for Client's obligation to pay for services rendered, no liability will attach to either party from delay in performance or nonperformance caused by circumstances or events beyond the reasonable control of the party affected, including, but not limited to, acts of God, fire, flood, unanticipated Site or subsurface conditions, pandemics, explosion, war, terrorism, request or intervention of a governmental authority (foreign or domestic), court order (whether at law or in equity), labor relations, accidents, delays or inability to obtain materials, equipment, fuel or transportation.
11. **SUBSURFACE RISKS.** Client shall disclose to Haley & Aldrich any known or suspected subsurface conditions, below ground structures, and information related to hazardous materials or other environmental or geotechnical conditions at the Site. Client recognizes that inherent risks occur in the exploration and evaluation of subsurface conditions. Even with the information the Client provides to Haley & Aldrich and a comprehensive sampling, testing and exploration program performed in accordance with the Standard of Care, certain underlying conditions and/or structures may not be identified, and Client agrees to accept this level of risk. Client agrees to indemnify and hold Haley & Aldrich, and each of their subcontractors, consultants, officers, directors, and employees (Haley & Aldrich) harmless against any and all claims, losses, liabilities or damages, direct or consequential, related to interference with subterranean structures, or other such subsurface conditions, substances, or features that are not called to Haley & Aldrich's attention in writing, shown on documents provided by Client, or could not be reasonably detected by exercising the Standard of Care.
12. **HAZARDS AND HAZARDOUS MATERIALS.**
- 12.1 **Disclosure of Hazards (Right to Know).** Haley & Aldrich will take reasonable precautions for the health and safety of Haley & Aldrich's employees while at the Site. Client will obtain from Site owner, and others as applicable, and furnish to Haley & Aldrich, prior to Haley & Aldrich beginning services under this Agreement, all available information concerning Site conditions, including, but not limited to: subsurface conditions, oil, hazardous material, toxic mold and biological conditions, radioactive or asbestos material in, on or near the Site. If such a material or condition is discovered that had not been disclosed to Haley & Aldrich, then, upon notification, Client and Haley & Aldrich shall seek an equitable adjustment to be made to this Agreement. By authorizing Haley & Aldrich to proceed with the services, Client confirms that Haley & Aldrich has not created nor contributed to the presence of any hazardous substances at or near the Site. Client agrees to assume all liability and shall indemnify, defend and hold Haley & Aldrich harmless from any claims, losses, liabilities or damages arising out of (1) personal injury or death resulting from such hazardous material or condition and/or (2) a release of hazardous substances except to the extent the release was caused by Haley & Aldrich's gross negligence or willful misconduct in the performance of the services.
- 12.2 **Hazardous Materials.** Before any hazardous or contaminated materials are removed from the Site, Client shall sign manifests naming Client as the Generator of the waste (or, if Client is not the Generator, Client will arrange for the Generator to sign the manifest). Client shall select the treatment or disposal facility to which any waste is taken. Haley & Aldrich shall not be the Generator, Owner, Arranger, Operator, nor will it possess, take title to, or assume any legal liability for any hazardous or contaminated materials at or removed from the Site. Haley & Aldrich shall not have responsibility for or control of the Site or of operations or activities at the Site other than its own. Haley & Aldrich shall not undertake, arrange for or control the handling, treatment, storage, disposal, removal, shipment, transportation or disposal of any hazardous or contaminated materials at or removed from the Site, other than laboratory samples it collects or tests (which shall be returned to Client for disposal). Client agrees to defend, indemnify and hold harmless Haley & Aldrich for any costs or liability incurred by Haley & Aldrich in defense of or in payment for any legal actions in which it is alleged that Haley & Aldrich is the Owner, Operator, Generator, Arranger, Treater, Storer or Disposer of hazardous waste. Capitalized terms used herein shall have the meanings assigned to them in RCRA and CERCLA.
13. **DIFFERING SITE CONDITIONS.** If, during the course of performance of this Agreement, conditions or circumstances are discovered, which were not contemplated or anticipated by Haley & Aldrich, or otherwise provided to Haley & Aldrich by the Client, at the commencement of this Agreement or which differ materially from those indicated in Haley & Aldrich's Proposal, Haley & Aldrich may notify Client in writing of the newly discovered conditions or circumstances, and Client and



Haley & Aldrich shall renegotiate, in good faith, the scope of work and terms and conditions of this Agreement. If amended terms and conditions cannot be agreed upon within thirty (30) days after notice, Haley & Aldrich may terminate this Agreement.

14. SAMPLES. Samples of soil, rock, water, waste, or other materials collected from the Site may be disposed of sixty (60) days from sampling date unless Client advises otherwise in writing or unless applicable law requires their retention. Haley & Aldrich will dispose of such samples with a qualified waste disposal contractor. Client shall pay all costs associated with the storage, transport, and disposal of samples, and agrees to indemnify, defend and hold Haley & Aldrich harmless for any liability arising therefrom. If samples must be stored by Haley & Aldrich for longer than sixty (60) days from sampling date, Client shall pay all associated storage costs. Client recognizes and agrees that Haley & Aldrich is a bailee and assumes neither title to said waste or samples nor any responsibility as generator of said waste or samples.
15. ENGINEERING/CONSULTING SERVICES DURING CONSTRUCTION. Haley & Aldrich shall not, during construction Site visits, shop drawing review, or as a result of observations of construction work, supervise, direct, or have control over any contractors' means, methods, work sequences or procedures of construction selected by contractors. Haley & Aldrich shall not be liable for any of contractors' work, safety precautions or programs incident to contractors' work. Haley & Aldrich shall not have any liability whatsoever for any failure of contractors to comply with any laws, rules, regulations, ordinances, codes or orders. Haley & Aldrich neither guarantees nor warrants the performance of any contractors' work and does not assume responsibility for any contractors' failure to furnish any labor, materials, equipment or related work in accordance with any agreement or contract documents.
16. ADDITIONAL SERVICES. Haley & Aldrich's compensation hereunder shall be subject to adjustment to recognize any increase in costs due to additional services requested or authorized by Client. Such additional services shall include, but not be limited to, additions in the manner or method of Haley & Aldrich's performance of Services or due to changes in schedule or circumstances not solely caused by or under the control of Haley & Aldrich. These additional services shall be verified in writing by the parties and performed on the basis of mutually agreed rates, or other such basis agreed to by the parties.
17. WAIVER OF CONSEQUENTIAL DAMAGES. Neither party, nor their parent, affiliated or subsidiary companies, nor the officers, directors, agents, employees, or contractors of any of the foregoing, shall be liable to the other in any action or claim for incidental, indirect, special, collateral, punitive, exemplary or consequential damages arising out of or related to the services, whether the action in which recovery of damages is sought is based upon contract, tort (including, to the greatest extent permitted by law, the sole, concurrent or other negligence, whether active or passive, and strict liability of any protected individual or entity), statute or otherwise.
18. WAIVER OF PERSONAL LIABILITY. No officer, director, or employee of Haley & Aldrich shall bear any personal liability to Client for any injuries, claims, demands, losses, expenses or damages, of whatever kind or character, arising out of or in any way related to this Agreement or the performance of services hereunder.
19. LIMITATION OF REMEDIES. To the fullest extent permitted by law, the total aggregate liability of Haley & Aldrich, its officers, directors, and employees to Client, and anyone claiming by, through, or under Client, including all authorized Relying Parties, as applicable, for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to Haley & Aldrich's services, from any cause or causes whatsoever, including, but not limited to, negligence, errors, omissions, strict liability or contract, shall be limited to an aggregate amount of \$50,000 or Haley & Aldrich's fee, whichever is greater.  
  
If Client prefers not to limit Haley & Aldrich's liability to this sum, Haley & Aldrich may increase this limitation upon Client's written request, provided that Client agrees to pay an additional fee agreed to by the parties. The additional fee is for the additional risk assumed by Haley & Aldrich and is not a charge for additional liability insurance.
20. DISPUTE RESOLUTION. If a dispute arises out of or relates to this Agreement or the breach thereof, the parties will attempt in good faith to resolve the dispute through negotiation. Except for payment matters, if a dispute is not resolved by these negotiations, the matter will be submitted to non-binding mediation with a mutually agreed upon mediator. The parties agree that they will participate in the mediation in good faith and that they will share equally in its costs. Except for payment matters or to preserve mechanics' lien rights, neither party will commence a civil action until after the completion of an initial mediation session.
21. LEGAL ACTION. All legal actions by either party against the other for any cause or causes, including, but not limited to, breach of this Agreement, negligence, misrepresentations, breach of warranty or failure to perform in accordance with the

Standard of Care, however denominated, shall be barred two (2) years from the day after completion of Haley & Aldrich's Services. Client agrees to compensate Haley & Aldrich for services performed in response to any legal action, subpoena, or court order arising out of or related to Haley & Aldrich's services under this Agreement at Haley & Aldrich's Standard Fee Schedule then in effect.

22. **SEVERABILITY**. If any of these Terms and Conditions are finally determined to be invalid or unenforceable in whole or part, the remaining provisions shall remain in full force and effect and be binding upon the parties. The parties agree to reform these Terms and Conditions to replace any such invalid or unenforceable provision with a valid and enforceable provision that comes as close as possible to the intention of the stricken provision.
23. **SURVIVAL**. All Terms and Conditions contained herein shall survive the completion of Haley & Aldrich's services on this project or the termination of services for any cause.
24. **GOVERNING LAW AND JURISDICTION**. This Agreement shall be solely governed, and construed and enforced, in accordance with the laws of the State or Commonwealth where the services are performed, without regard to its conflict of laws rules. Client agrees to submit and consent to the jurisdiction of the courts in that State or Commonwealth in any action brought to enforce (or otherwise arising from or relating to) this Agreement.
25. **ASSIGNMENT**. This Agreement shall not be assigned by either party without the express written consent of the other.
26. **PRECEDENCE**. These Terms and Conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice to proceed, right of entry, or like document.
27. **ENTIRE AGREEMENT**. **Client and Haley & Aldrich agree that all provisions of these Terms and Conditions were mutually negotiated and agreed upon, and that this Agreement represents the entire Agreement between the parties.** No modification or alteration of any provision of this Agreement shall be binding upon either Client or Haley & Aldrich, unless such modification or alteration is mutually agreed to, is in writing, and is signed by the party against whom such modification or alteration is sought to be enforced.

### END OF TERMS AND CONDITIONS



*A division of Haley & Aldrich*

**CONTRACT CHANGE**

CHANGE NO. \_\_\_\_\_ Date: \_\_\_\_\_

CLIENT \_\_\_\_\_

JOB NO. \_\_\_\_\_

PROJECT \_\_\_\_\_

Description of Work
<p style="text-align: center; font-size: 100px; opacity: 0.5;">EXAMPLE</p>
<b>Total Costs</b> .....\$XX,XXX

This change amends contract between \_\_\_\_\_ and Hart Crowser, a division of Haley & Aldrich dated \_\_\_\_\_ under Hart Crowser job number \_\_\_\_\_. Except as amended above, all terms and conditions apply to this Contract Change. To indicate your acceptance, please return one signed copy.

**CLIENT**

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

Printed Name: \_\_\_\_\_

**HART CROWSER, a division of Haley & Aldrich**

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

Printed Name: \_\_\_\_\_

J:\Docs\Standards\Terms and Conditions\Example Contract Change.doc



**St. Helens Public Safety Building (HC P203864)**

**Summary of Hours and Expenses**

<b>Task Description</b>	<b>Sr. Principal</b>	<b>Principal</b>	<b>Sr. Associate</b>	<b>Associate</b>	<b>Numeric Modeler</b>	<b>Sr. Project</b>	<b>Project</b>	<b>Sr. Staff</b>	<b>Staff</b>	<b>Drafter</b>	<b>Project Assistant</b>		<b>Professional Staff Fees Subtotal</b>	<b>Reimbursables / Expenses</b>	<b>Total</b>
<i>Billing Rates (2019)</i>	<b>\$275</b>	<b>\$245</b>	<b>\$220</b>	<b>\$200</b>	<b>\$185</b>	<b>\$180</b>	<b>\$155</b>	<b>\$135</b>	<b>\$105</b>	<b>\$115</b>	<b>\$95</b>				
Research		1.0					2.0	4.0					\$1,095		\$1,095
Field Reconnaissance and Utility Locates							1.0	6.0					\$965	\$115	\$1,080
Field Exploration Including Shearwave Testing		1.0					4.0	20.0					\$3,565	\$7,400	\$10,965
Laboratory Testing							2.0	2.0					\$580	\$1,250	\$1,830
Engineering Analysis		2.0					16.0	4.0		4.0			\$3,970		\$3,970
Site Specific Seismic Hazard Analysis		4.0					8.0	32.0					\$6,540		\$6,540
Report Preparation (Draft and Final)		4.0					24.0	6.0		8.0	4.0		\$6,810		\$6,810
Design Consultations and Meetings		8.0					8.0						\$3,200		\$3,200
Project Management and Support		4.0					4.0				4.0		\$1,980		\$1,980
Specification Preparation		4.0					12.0				2.0		\$3,030		\$3,030
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<b>TOTAL</b>	<b>0.0</b>	<b>28.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>81.0</b>	<b>74.0</b>	<b>0.0</b>	<b>12.0</b>	<b>10.0</b>	<b>0.0</b>	<b>\$31,735</b>	<b>\$8,765</b>	<b>\$40,500</b>