

To: Dan Buchholtz, Administrator
City of Spring Lake Park

From: Phil Gravel
City Engineer

Project/File: 2024 Street Project

Date: March 25, 2024

Reference: Materials Testing - 2024 Street Improvements Project

Materials testing is required as part of the construction phase for the Sanburnol, Elm, and 83rd Avenue street project. Materials testing includes compaction testing on utility trenches. It also includes testing the aggregate base, concrete, and bituminous used on the project.

Attached is a Proposal from American Engineering Testing (AET) to complete the required materials testing on the project. The testing will be completed in accordance with MnDOT State Aid requirements. The estimated cost for the materials testing is \$20,870 to \$26,471.

We have reviewed the Proposal from AET. **We recommend that the city accept the proposal and execute the Agreement with AET.**

Please feel free to contact me if you have any questions or require any additional information on this matter.

March 15, 2024

City of Spring Lake Park
c/o Stantec Consulting Services, Inc.
1301 81st Avenue Northeast
Spring Lake Park, MN 55432



Attn: Phil Grave, PE – City Engineer
Phil.Gravel@stantec.com

RE: Quality Assurance Testing Proposal
2024 85th Ave/Sanburnol Dr, Elm Dr, & 83rd Ave Improvements
S.A.P. 106-115-007, 106-129-002, 183-103-001, 183-104-001, 183-107-102
Spring Lake Park, Minnesota
AET Proposal No. P-0031840

Dear Mr. Gravel:

Thank you for the opportunity to provide a proposal to perform testing services on the referenced project. This proposal has been prepared in response to your email request on March 12, 2024, and describes our understanding of the project, our anticipated scope of services, our unit rates, and an estimated total fee to perform these services.

PROJECT INFORMATION

The City of Spring Lake Park (the City) will be performing a street and utility improvements project during the 2024 construction season. Construction is anticipated to begin in spring, 2024, and be substantially completed by September 1, 2024. The project area will include University Avenue Service Road, Sanburnol Drive/8th Avenue, Elm Drive, and 83rd Avenue. The project will be funded with a mix of state aid and municipal funds.

Plans and Specifications were prepared by Stantec. We understand Construction Inspection and Contract Management of the project will be performed by Stantec. The project includes full depth reclamation, mill and overlay, grading, aggregate base, storm sewer replacements curb and gutter, bituminous pavement, concrete sidewalk, and pedestrian ramps.

GEOTECHNICAL INFORMATION

A geotechnical exploration and analysis was performed for this project by AET. The results were presented in our Report of Geotechnical Exploration and Review, dated July 28, 2023 (AET Project No. P-0022957). In the report, the site soil profile is generalized as fill underlain by coarse

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alluvium. Reference should be made to that report for more details regarding site conditions and recommendations.

PROJECT APPROACH

During the construction improvements, AET will provide experienced MnDOT certified Engineering Technicians to perform sampling and material testing services in accordance with the 2023 State Aid for Local Transportation Schedule of Materials Control (2023 SALT SMC) and project specific testing requirements referenced in the Project Manual. For this project, Ryan Schaefer will be AET's contact. He can be reached at 651-603-6639 (office). AET requires a minimum of 24 hours' notice of the need for Services.

We understand that the City will contract with MnDOT Metro Inspections for bituminous and concrete plant monitoring.

SCOPE OF SERVICES

Based on our review of the available plans and our experience with Stantec on similar projects, our anticipated scope of services is outlined below. These services will be provided on an on-call basis coordinated through authorized Stantec field personnel.

Soils Sampling and Testing

Our estimate of the sampling and testing to be performed on the grading and base items is based on the requirements of MnDOT's "Specified Density Method" and in accordance with the 2023 SALT SMC. AET will perform MnDOT Relative Density testing (Proctor) as well as in-place density and moisture testing on the utility trench backfill.

The MnDOT Dynamic Cone Penetrometer will be used to test compaction on the Class 5 Aggregate Base sections of the project following the MnDOT Penetration Index procedures in accordance with the 2023 SALT SMC.

AET will perform the sampling of the soils and Class 5 Aggregate Base materials and transport the samples to our St. Paul, Minnesota laboratory. Stantec personnel will update AET on the schedule of material placement, material sources (including changes in source), and changes in quantities.

Full Depth Reclamation (FDR)

AET will perform dynamic cone penetrometer (DCP) testing and moisture content testing of the full depth reclamation material along with up to 3 gradations in accordance with the 2023 SALT

SMC. We have not included gradations of this material in our proposal but will at your request. The frequency of these gradations for an FDR project are at the discretion of the Engineer. We assume the City's Inspector will perform depth checks of the FDR material.

Bituminous Pavement Sampling and Testing

As bituminous paving is being completed, AET personnel will pick up companion samples provided by the contractor, during each day of paving, and transport the samples to our St. Paul, Minnesota laboratory. Samples will be tested in our laboratory for MnDOT Gyration Mix Properties as follows:

- Gyration Density (AASHTO T 312) MnDOT Modified
- Rice Specific Gravity (ASTM D2041)
- Asphalt Extraction and Aggregate Gradation (ASTM D2172 Method E-11) MnDOT Modified C137 and C117
- Fine Aggregate Angularity (AASHTO T 304, Method A, MnDOT 1206.5)
- Coarse Aggregate Angularity, One Face (ASTM D5821)

AET assumes that Stantec will utilize the MnDOT program to determine random core locations of bituminous based on information regarding tonnage (lot sizes) and pavement placement patterns. We also assume Stantec personnel will mark the core locations in the field. This proposal does not incorporate the time and cost to mark the core locations or to determine random core locations. These services can be provided at your request. Stantec will coordinate the removal of both the contractor and companion cores with the contractor.

After the completion of the coring, AET will retrieve companion core samples from the project contractor for laboratory testing. This testing will include the following:

- The thickness of each layer of the core sample
- The density of each layer of the core sample

Concrete Sampling and Testing

During the placement of concrete, AET will perform field testing consisting of slump, air content, temperature of the plastic concrete, and casting of cylinders for compression testing. The 2023 SALT SMC requires field testing for slump, air content, and temperature per every 100 cubic yards of each type of concrete placed each day. Compressive strength cylinders (1 set of 3 cylinders) are required once per every 300 cubic yards of each type of concrete placed each day; the cylinders will be retrieved the following day for curing and testing in our laboratory. The 3 cylinders are to be tested at 28-days. We are proposing to cast sets of 5 cylinders, with



compressive strength testing as follows: 1 at 7 days, 3 at 28 days, and the 5th cylinder will be held in reserve for future testing if the 28-day strength requirement is not met.

We have assumed Stantec personnel will be compiling the concrete batch tickets, certificates of compliance, and AET's field test results of the plastic concrete, which we will provide each day we are on-site performing testing services.

REPORTING

AET staff will prepare reports for Stantec to review. These reports will include the results of our field and laboratory testing as performed per the 2023 SALT SMC and testing frequencies referenced in the project documents. AET will complete the Preliminary Grading and Base Report and the Final Grading and Base Report, once provided with final project quantities. Daily field reports will also be prepared and made available upon request.

ESTIMATED FEES

Our services will be provided on a unit cost basis according to the unit rates provided in the attached Materials Testing Estimate. Our invoices will be determined by multiplying the number of personnel hours or tests by their respective unit rates. The rates are from the annual fee schedule for 2024 projects.

We have estimated a "minimum required estimate" for the project which estimates the tests needed to satisfy the requirements as defined in the 2023 SALT SMC and the project documents. The "likely needed estimate" is the cost that we anticipate will be required to complete the previously described testing services, based on our experience, and assumed scheduling of the project. Therefore, we propose a budget cost estimate using the "likely needed" estimate for the scope of services for the project as outlined in this proposal. Our "likely needed" estimated fee is **\$26,471.00**. We refer you to the attached Materials Testing Estimate as reference to how we arrived at this estimated cost.

We caution that this is only an estimated cost. Often, variations in the overall cost of the services occur due to reasons beyond our control, such as weather delays, changes in the contractor's schedule, unforeseen conditions, or retesting. These variations will affect the actual invoice totals, either increasing or decreasing our total costs for the project from those estimated in this proposal. If more time or tests are required, additional fees may be needed to complete the project testing services. If less time or tests are needed, a cost savings will be realized. We will not, however, exceed the estimated total cost for the project without first obtaining your authorization.



TERMS AND CONDITIONS

All AET Services are provided subject to the Terms and Conditions set forth in the enclosed Construction Service Agreement—Terms and Conditions, which, upon acceptance of this proposal, are binding upon you as the Client requesting Services, and your successors, assignees, joint venturers, and third-party beneficiaries. Please be advised that additional insured status is granted only upon written acceptance of the proposal.

ACCEPTANCE

AET requests written acceptance of this proposal in the Proposal Acceptance box below, but the following actions shall constitute your acceptance of this proposal together with the Terms and Conditions: 1) issuing an authorizing purchase order for any of the Services described in this proposal, 2) authorizing AET's presence on site, or 3) written or electronic notification for AET to proceed with any of the Services described in this proposal. Please indicate your acceptance of this proposal by signing below and returning a copy to us. When you accept this proposal, you represent that you are authorized to accept on behalf of the Client.

GENERAL REMARKS

AET appreciates the opportunity to provide this service for you and looks forward to working with you on this project. If you have any questions or need additional information, please contact me.

Sincerely,

American Engineering Testing

A handwritten signature in blue ink that reads 'Ryan S. Schaefer'.

Ryan S. Schaefer
Geologist I/Project Manager
rschaefer@teamAET.com
612-618-8066

A handwritten signature in blue ink that reads 'Jesse A. Mohler'.

Jesse A. Mohler
Engineer II
jmohler@teamAET.com
651-523-1276



ACCEPTANCE AND AUTHORIZATION: AET Proposal No. P-0031840

SIGNATURE: _____

PRINTED NAME: _____

COMPANY: _____

ADDRESS: _____

PHONE NUMBER AND EMAIL: _____

DATE: _____

INVOICING INFORMATION (Provide Company AP Department Information, if present.)

AP CONTACT NAME: _____

BILLING/MAILING ADDRESS: _____

AP PHONE NUMBER AND INVOICE EMAIL: _____

P.O. NO./ PROJECT NO.: _____

- Attachments: Materials Testing Estimate
Construction Service Agreement – Terms and Conditions
Certificate of Insurance
W9



**Materials Testing Estimate for 2024 85th Ave/Sanburnol Dr, Elm Dr, & 83rd Ave Imp. – 2023 SALT SMC
SAP 106-115-007, 106-129-002, 183-103-001, 183-104-001, 183-107-102; Spring Lake Park, Minnesota**

Material	Units	Quantity	Trips	Hours	Agency Testing & Frequency	# of Tests		Cost per Test (\$)	Cost (\$)	
						Minimum	Likely		Minimum	Likely
Storm Sewer	LF	827	8	20	Proctor (1/soil type) Trenches, Specified Density Nuclear Gauge (1/500'/2' fill/structure) Relative Moisture (1/10,000 CY, 10 max)	1	4	184.00	184.00	736.00
Select Granular Embankment, Note 1	CY	222	1	2	Gradation (1/40,000 CY) Penetration Index DCP (1/2,000 CY) Relative Moisture (1/10,000 CY, 10 max)	0	0	63.00	0.00	0.00
Aggregate Base Class 5 ±4.665 LF of trail	CY	3,559	6	15	Gradation (2 per lot, 1 lot ≤ 2,000 CY) Road, Penetration Index DCP (1/500 CY) Walks and Trails, DCP (1/500 feet) Relative Moisture (1/1,000 CY, 10 max) Percent Crushed (1/1,000 CY, if required) LAR (1/1,000 CY, if required) Insoluble Residue (1/1,000 CY, if required) Litho Exam & Shale Float Test (1/1,000 CY, if required) Bitumen Content (Engineer's discretion)	4	4	135.00	540.00	540.00
Full Depth Reclamation (FDR)	CY	12,988	2	5	Gradation (Engineer's discretion) Penetration Index DCP (1/3,000 SY) Relative Moisture (1/20,000 CY)	0	3	135.00	0.00	405.00
Bituminous - SP WE/NW	TON	5,410	7	14	MnDOT Gyrotory Mix Properties (1/day/mix type) Companion Core Density & Thickness	1	1	53.00	53.00	53.00
Concrete - Sidewalk, Pedestrian Ramps, Curb & Gutter	CY	116	6	18	Plastic Concrete Testing (1 set of tests/100 CY) - Included in hourly rate see below Concrete Compressive Strength, Curing, & Handling 4x8 Cylinders (includes mold) (5 cys/300 CY) Concrete sample pick up from job site	15	30	42.00	630.00	1260.00
Subtotal =									7,615.00	12,751.00

Notes:

- For grading and base materials, per the 2023 SALT SMC, less than 500 tons (250 CY) may be accepted by the Engineer without testing.
- Material quantities are estimated based upon Statement of Estimated Quantities, conversions, and plans.
- Number of "Likely" bituminous samples, cores, and trips assumes 7 days of paving (500 to 800 tons of bituminous per day). Assumes testing of all companion cores and no longitudinal density cores.
- We have not included time for marking bituminous core locations or for determining the random bituminous core locations.

Time and Mileage	Unit	Rate (\$)	Minimum Quantity	Likely Quantity	Minimum Cost	Likely Cost
Mileage, Personal Automobile/Truck	Mile	1.30	1,050	1,050	1,365.00	1,365.00
Technician II	Hour	115.00	74	74	8,510.00	8,510.00
Engineer II, Final Project Summary Report	Hour	190.00	8	8	1,520.00	1,520.00
Engineer II, Project Management	Hour	190.00	8	10	1,520.00	1,900.00
Project Administrator	Hour	85.00	4	5	340.00	425.00
Subtotal =					13,255.00	13,720.00

Total Cost Estimate =	Minimum	Likely
20,870.00	20,870.00	26,471.00

Estimate prepared by: **Ryan Schaefer**

SECTION 1 - RESPONSIBILITIES

1.1 – This Service Agreement – Terms and Conditions (“terms and conditions”) is applicable to all services (“Services”) provided by American Engineering Testing, Inc. (AET). As used herein “Services” refer to the scope of Services described in the proposal submitted by AET to Client. The proposal, these terms and conditions and any appendices attached hereto shall comprise the agreement (“Agreement”) between AET and Client for Services described in the proposal and are binding upon the Client, its successors, assignees, joint ventures and third-party beneficiaries. **AET requests written acceptance of the Agreement, but the following actions shall also constitute Client’s acceptance of the Agreement: 1) issuing an authorizing purchase order, task order, service order, or any other documentation for any of the Services, 2) authorizing AET’s presence on site, or 3) written or electronic notification for AET to proceed with any of the Services.** Issuance of a purchase order, task order or service order by Client which contains separate terms and conditions will not take precedence or modify the terms and conditions contained in this Service Agreement **AND THE TERMS AND CONDITIONS OF THIS SERVICE AGREEMENT AND ANY CORRESPONDING PROPOSAL ISSUED BY AET SHALL GOVERN UNLESS AUTHORIZED IN WRITING IN ADVANCE BY AET.**

1.2 - Prior to AET performing Services, Client will provide AET with all information that may affect the cost, progress, safety and performance of the Services. This includes, but is not limited to, information on proposed and existing construction, all pertinent sections of contracts between Client and their client and/or Owner which contain flow-down provisions to AET, if they are included, site safety plans or other documents which may control or affect AET’s Services. If new information becomes available or changes are made during AET’s Services, Client will provide such information to AET in a timely manner. Failure of Client to timely notify AET of changes to the project including, but not limited to, location, elevation, loading, or configuration of the structure or improvement will constitute a release of any liability of AET. Client will provide a representative for timely answers to project-related questions by AET.

1.3 - AET observes and tests earthwork and other construction operations and materials, and may provide opinions, conclusions and recommendations regarding the same. However, AET’s Services do not relieve the contractors of their contractual responsibility to perform their work in accordance with approved plans, specifications and building code requirements.

1.4 - AET personnel do not have authority to accept, reject, direct or otherwise approve the work of the contractor. AET cannot stop work or waive or alter the requirements of the project documents. Any authority given to AET by Client must be in writing prior to the start of Services.

1.5 - AET does not perform construction management, general contracting or surveying services and our involvement with the project does not constitute any assumption of those responsibilities.

1.6 - Services performed by AET often include sampling at specific locations. Client acknowledges the limitations inherent in sampling. Variations in conditions occur between and beyond sampled/tested locations. The passage of time, natural occurrences and direct or indirect human activities at the site or distant from it may alter the actual conditions. Client assumes all risks associated with such variations.

1.7 - AET is not responsible for interpretations or modifications of AET’s recommendations by other persons.

1.8 - Should change in conditions be alleged, Client agrees to notify AET before evidence of alleged change is no longer accessible for evaluation.

1.9 - Test borings and/or cone penetration test soundings to a proper depth below foundation grade and the base of suitable bearing soils are recommended to explore the deeper unseen soil and ground water conditions. Judgments made by AET personnel regarding the suitability of materials and ground water conditions below the bottom of an excavation are limited if sufficiently deep test borings/soundings are not provided by the Client prior to our observations and judgments. AET’s opinions, conclusions and recommendations are qualified to that extent.

1.10 – Pricing in the proposal assumes use of these terms and conditions. AET reserves the right to amend pricing if Client requests modifications to the Agreement or use of Client’s alternate contract format. Any contract amendments made after Client has authorized the Services shall be applicable only to Services performed after the effective date of such amendment. The proposal and these terms and conditions, including terms of payment, shall apply to all Services performed prior to the effective date of such amendment.

1.11 – The AET proposal accompanying these terms and conditions is valid for thirty (30) days after the proposal issuance date to the Client. Any attempt to authorize Services after the expiration date is subject to AET’s right to revise the proposal as necessary.

SECTION 2 – ON CALL SERVICES

2.1 - If AET’s Services are performed on an on-call basis at the direction of the Client or its authorized representatives, Client acknowledges the inherent limitations associated with performing engineering judgments and testing Services on an on-call basis, including without limitation, the inability to completely evaluate, document or judge work and conditions not directly observed or tested by AET. AET’s opinions, conclusions, and recommendations are qualified to the extent of those limitations.

2.2 - Density tests of fill soils represent conditions only at the locations and elevations tested and do not necessarily represent conditions laterally, above or below. AET can only provide judgments regarding the engineered fill system to adequately support the design construction loadings by monitoring the filling process on a continuous basis for consistency of soil type, moisture content, lift thickness, and compaction effort.

2.3 – AET requires a minimum of 24 hours’ notice of the need for Services. AET will not be liable for claims, damages, or delays related to failure of Client to provide adequate advance notice to AET.

SECTION 3 - SITE ACCESS, UNDERGROUND FACILITIES AND CONSTRUCTION STAKING

3.1 - Client will furnish AET safe and legal site access.

3.2 – With the exception of public utilities which AET will contact state “call before you dig” notification centers (e.g. Gopher State One call in Minnesota), Client will mark or cause to be marked the location of all other underground utilities and structures (Facilities) that service or are located on the site. AET shall be entitled to rely upon the accuracy of all location information supplied by any source.

3.3 – Client shall hold harmless, indemnify and defend AET from all claims, damages, losses, fines, penalties and expenses (including attorney’s fees) arising out of or related to the following: a) Facilities that are not shown or vary from the locations shown on any plans or drawings, b) Facilities that are not located by or vary from the locations marked by Client, governmental or quasi-governmental locator programs, or private utility locating services, or c) any other Facilities that are not disclosed or vary from locations provided by the Client. The obligation to defend AET shall be independent of the obligation to indemnify and hold harmless AET and shall be with independent counsel acceptable to AET.

3.4 - The location and elevation of a proposed structure or facility shall be staked (with offsets) and controlled by surveying or GPS equipment by others. AET’s measurements are made in relation to that information. The reliability of any opinions, conclusions, and recommendations based on those measurements is strictly dependent on the accuracy of the staking or GPS information provided by others.

3.5 - During construction, observations and testing Services are based on the positioning of the formwork by the contractor or its subcontractor. AET will not be responsible for any errors or damages resulting from improper location or positioning of the formwork.

SECTION 4 - SAFETY

4.1 - Client shall inform AET of any known or suspected hazardous materials or unsafe conditions at the site. Client or its authorized representative(s) is responsible for the safety of the jobsite. If, during the course of AET's Services, such materials or conditions are discovered, AET reserves the right to take measures to protect AET personnel and equipment or to immediately terminate Services. Client shall be responsible for payment of such additional protection costs.

4.2 - AET shall only be responsible for safety of AET employees at the site; the safety of all others shall be Client's or other persons' responsibility.

SECTION 5 - SAMPLES

5.1 - Client shall inform AET of any known or suspected hazardous materials prior to submittal to AET. All samples obtained by or submitted to AET remain the property of the Client during and after the Services. Any known or suspected hazardous material samples will be returned to the Client at AET's discretion.

5.2 - Non-hazardous samples will be held for thirty (30) days and then discarded unless, within thirty (30) days of the report date, the Client requests in writing that AET store or ship the samples. Storage and shipping costs shall be borne solely by Client.

SECTION 6 - PROJECT RECORDS

The original project records prepared by AET will remain the property of AET. AET shall retain these original records for a minimum of three years following submission of the report, during which period the project records can be made available to Client at AET's office at reasonable times.

SECTION 7 - STANDARD OF CARE

AET performs its Services consistent with the level of care and skill normally performed by other firms in the profession at the time of this service and in this geographic area, under similar budgetary constraints.

SECTION 8 - INSURANCE

AET maintains insurance with coverage and minimum limits shown below. AET will furnish certificates of insurance to Client upon request.

8.1 –

Workers' Compensation Employer's Liability	Statutory Limits \$100,000 each accident \$500,000 disease policy limit \$100,000 disease each employee
Commercial General Liability	\$1,000,000 each occurrence \$1,000,000 aggregate
Automobile Liability	\$1,000,000 each accident
Professional/Pollution Liability Insurance	\$1,000,000 per claim \$1,000,000 aggregate

8.2 - Commercial General Liability insurance will include coverage for Products/Completed Operations extending one (1) year after completion of AET's Services as outlined in our proposal, Property Damage, Personal Injury, and Contractual Liability coverage applicable to AET's indemnity obligations under this Agreement.

8.3 - Automobile Liability insurance shall include coverage for all owned, hired and non-owned automobiles.

8.4 - Professional/Pollution Liability Insurance is written on a claims-made basis and coverage will be maintained for one (1) year after completion of AET's Services as outlined in our proposal. Renewal policies during this period shall maintain the same retroactive date.

8.5 - **To the extent permitted by applicable state law, and upon Client's signing of the proposal, which includes these Terms and Conditions, and return of the same to AET, or Client provided forms of acceptance as defined in Section 1.1; Client and Owner shall be named an "additional insured" on AET's Commercial General Liability Policy (Form CG D4 14, which includes blanket coverage for the Additional Insured on a Primary and Non-Contributory basis). Client and Owner shall also be named an "additional insured" on a Primary and Non-contributory basis on AET's Automobile Liability Policy (Form CA T4 74). Any other endorsement, coverage or policy requirement may result in additional charges.**

8.6 - AET will maintain insurance coverage required by this Agreement at its sole expense, provided such insurance is reasonably available, with insurance carriers licensed to do business in the state in which the project is located and having a current A.M. Best rating of no less than A minus (A-). Such insurance shall provide for thirty (30) days prior written notice to Client for notice of cancellation or material limitations for the policy or ten (10) days' notice for non-payment of premium.

8.7 - AET reserves the right to charge Client for AET's costs for additional coverage requirements unknown on the date of the proposal, e.g., coverage limits or policy modification including waiver of subrogation, additional insured endorsements and other project specific requirements.

SECTION 9 - DELAYS

If delays to AET's Services are caused by Client or Owner, other parties, strikes, natural causes, pandemic, weather, or other items beyond AET's control, a reasonable time extension for performance of the Services shall be granted, and AET shall receive an equitable fee adjustment.

SECTION 10 - PAYMENT, INTEREST AND BREACH

10.1 - Invoices are due net thirty (30) days from the date of receipt of an undisputed invoice. Invoices will be paid without reductions for bond or retention. Client will inform AET of invoice questions or disagreements within fifteen (15) days of invoice date; unless so informed, invoices are deemed correct.

10.2 - Invoices remaining unpaid for sixty (60) days shall constitute a material breach of this Agreement, permitting AET, in its sole discretion and without limiting any other legal or equitable remedies for such breach, to terminate performance of this Agreement and be relieved of any associated duties to the Client or other persons. Further, AET may withhold from Client data and reports in AET's possession. If Client fails to cure such breach, all reports associated with the unpaid invoices shall immediately upon demand be returned to AET and Client may neither use nor rely upon such reports or the Services.

10.3 - AET reserves the right to pursue any unpaid invoice utilizing available remedies at law. AET explicitly reserves its Mechanic Lien or Bond Claim rights for nonpayment of an undisputed invoice. Client is responsible for paying AET expenses and attorney fees related to collection of past due invoices.

10.4 - AET reserves the right to charge a 2.5% fee on any payment made using a credit card or debit card.

SECTION 11 - CHANGE ORDERS

AET's proposal associated with this project may provide an estimated cost for the work. If the proposal amount is a time and material estimate, or if changes occur affecting the project scope, estimated quantities, project schedule or other unforeseen conditions, AET will communicate with Client and request a change order. However, nothing in this agreement shall be construed in any way as a waiver of payment by Client to AET for Services authorized under this agreement. Approval of a change order may be in writing, by electronic communication, or any directive for additional Services.

SECTION 12 - MEDIATION

12.1 - Except for enforcement of AET's rights to payment for Services rendered or to assert and/or enforce its lien rights, including without limitation assertion and enforcement of mechanic's lien rights and foreclosure of the same, Client and AET agree that any claim, dispute or other matter in question arising out of or related to this Agreement shall be subject to mediation as a condition precedent to arbitration or the institution of legal or equitable proceedings by either party; provided however that if either party fails to respond to a request for mediation within sixty (60) days, the party requesting mediation may without further notice, proceed to arbitration or the institution of legal or equitable proceedings.

12.2 - Mediation shall be in accordance with the Construction Industry Mediation Rules of the American Arbitration Association. Request for mediation shall be in writing and the parties shall share the mediator's fee and any filing fees equally and each party shall pay their own legal fees. The mediator shall be acceptable to both parties and shall have experience in commercial construction matters.

SECTION 13 - LITIGATION REIMBURSEMENT

Except for matters relating to non-payment of fees, which is governed by Section 10 hereof, payment of attorney's fees and costs associated with lawsuits or arbitration of disputes between AET and Client, which are dismissed or are judged substantially in either party's favor, shall be paid by the non-prevailing party. Applicable costs include, but are not limited to, attorney and expert witness fees, court costs, and other direct costs.

SECTION 14 - MUTUAL INDEMNIFICATION

14.1 - Subject to the limitations contained in Sections 14 and 17, AET agrees to indemnify Client from and against damages and costs to the extent caused by AET's negligent performance of the Services.

14.2 - Client agrees to indemnify AET from and against damages and costs to the extent caused by the intentional acts or negligence of the Client, Owner, Client's contractors and subcontractors or other third parties.

14.3 - If Client has an indemnity agreement with other persons or entities relating to the project for which AET's Services are performed, the Client shall include AET as an Additional Insured.

14.4 - AET's indemnification to the Client, including any indemnity required or implied by law, is limited solely to losses or damages caused by its failure to meet the standard of care and only to the extent of its negligence.

SECTION 15 - NON-SOLICITATION

Each party to this Agreement (a "Party") agrees that it will not encourage, induce, or actively solicit any employee of the other party to leave their employment for any reason, provided that neither Party is precluded from (a) hiring any such employee who has been terminated by a Party or its subsidiaries prior to commencement of employment discussions between a Party and such employee, or (b) soliciting any such employee by means of a general advertisement or through an employment agency that does not specifically pursue the employee, or (c) hiring employees or former employees of the other Party who contact the Party on its own accord. This Non-Solicitation provision shall be effective and enforceable for six (6) months following termination of this Agreement.

SECTION 16- MUTUAL WAIVER OF CONSEQUENTIAL DAMAGES

Except as specifically set forth herein and to the extent permitted by applicable law, Client and AET waive against each other, and each other's officers, directors, members, subcontractor, agents, assigns, successors, partners, and employees any and all claims for or entitlement to special, incidental, indirect, punitive, or consequential damages arising out of, resulting from, or in any way related to the Services provided by AET under this Agreement. This mutual waiver of consequential damages includes, but is not limited to, the following: loss of profits; loss of revenue; rental costs/expenses incurred; loss of income; loss of use of property, equipment, materials or services; loss of opportunity; loss of rent; loss of good will; loss of financing; loss of credit; diminution of value; loss of business and reputation; loss of management or employee productivity or the services of such persons; increased financing costs; cost of substitute facilities; cost of substitute goods/property/equipment; cost of substitute services; and/or cost of capital. This mutual waiver is applicable, without limitation,

to all consequential damages due to either party's termination of this Agreement in accordance with the provisions of the Agreement and related documents and shall survive any such termination.

SECTION 17 - LIMITATION OF LIABILITY

To the fullest extent permitted by applicable law, the total aggregate liability of AET and its officers, directors, partners, employees, subcontractors, agents, and sub-consultants, to Client and/or Client's employees, officers, directors, members, agents, assigns, successors, or partners, or anyone claiming through Client, for any and all injuries, damages, claims, losses, or expenses (including attorney's fees and costs) arising out of, resulting from or in any way related to Services provided by AET from any cause or causes, including, but not limited to, its negligence, professional errors and omissions, strict liability, breach of contract, or breach of warranty shall not exceed the total compensation in excess of costs received by AET for Services or \$50,000, whichever is less. The limitation of liability set forth herein does not apply to claims arising solely out of or related to the willful or intentional acts of AET.

SECTION 18 - POSTING OF NOTICES ON EMPLOYEE RIGHTS

Effective June 21, 2010, prime contracts with a value of \$100,000 or more and signed by federal contractors on projects with any agency of the United States government must comply with 29 CFR Part 471, which requires physical posting of a notice to employees of their rights under Federal labor laws. The required notice may be found at 29 Code of Federal Regulations Part 471, Appendix A to Subpart A. The regulation also has a "flow-down" requirement for subcontractors under the prime agreement for subcontracts with a value of \$10,000 or more. AET requires strict compliance of its subcontractors working on federal contracts subject to this regulation. The regulation has specific requirements for location of posting and language(s) for the poster.

SECTION 19 - TERMINATION

After 7 days' written notice, either party may elect to terminate work for justifiable reasons. In this event, the Client shall pay AET for all Services performed, including demobilization and reporting costs to complete the Services.

SECTION 20 - SEVERABILITY

Any provisions of this Agreement later held to violate a law or regulation shall be deemed void, and all remaining provisions shall continue in force. However, Client and AET will in good faith attempt to replace an invalid or unenforceable provision with one that is valid and enforceable, and which comes as close as possible to expressing the intent of the original provision.

SECTION 21 - GOVERNING LAW

This Agreement shall be construed in accordance with the Laws of the State of Minnesota without regard to its conflicts of law provisions.

SECTION 22 - ENTIRE AGREEMENT

This Agreement, including these terms and conditions and attached proposal and appendices, is the entire agreement between AET and Client. Regardless of method of acceptance of this Agreement by the Client, this Agreement supersedes any written or oral agreements, including purchase/work orders or other Client agreements submitted to AET after the start of our Services. Any modifications to this Agreement must be mutually acceptable to both parties and accepted in writing. No considerations will be given to revisions to AET's terms and conditions or alternate contract format submitted by the Client as a condition for payment of AET's accrued Services.



AMERCON-12

KREYNOLDS1

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/11/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER License # 20443386 HUB International Great Plains, LLC 245 E. Roselawn Avenue Suite 31 Saint Paul, MN 55117-1940	CONTACT NAME: Ann Ross PHONE (A/C, No, Ext): (651) 288-5137 FAX (A/C, No): (651) 286-0560 E-MAIL ADDRESS: ann.ross@hubinternational.com														
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: The Phoenix Insurance Company</td> <td>25623</td> </tr> <tr> <td>INSURER B: The Travelers Indemnity Company of America</td> <td>25666</td> </tr> <tr> <td>INSURER C: Travelers Property Casualty Company of America</td> <td>25674</td> </tr> <tr> <td>INSURER D: Charter Oak Fire Insurance Company</td> <td>25615</td> </tr> <tr> <td>INSURER E: Continental Casualty Company</td> <td>20443</td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: The Phoenix Insurance Company	25623	INSURER B: The Travelers Indemnity Company of America	25666	INSURER C: Travelers Property Casualty Company of America	25674	INSURER D: Charter Oak Fire Insurance Company	25615	INSURER E: Continental Casualty Company	20443	INSURER F:
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INSURED AMERICAN CONSULTING SERVICES INC AMERICAN ENGINEERING TESTING INC AMERICAN PETROGRAPHIC SERVICES INC 550 CLEVELAND AVE N ST PAUL, MN 55114-1804															

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			P630539K8896PHX24	1/1/2024	1/1/2025	EACH OCCURRENCE	\$ 2,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
							MED EXP (Any one person)	\$ 25,000
							PERSONAL & ADV INJURY	\$ 2,000,000
							GENERAL AGGREGATE	\$ 4,000,000
							PRODUCTS - COMP/OP AGG	\$ 4,000,000
								\$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			8102L6457122443G	1/1/2024	1/1/2025	COMBINED SINGLE LIMIT (Ea accident)	\$ 2,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 0			CUP3K2260092443	1/1/2024	1/1/2025	EACH OCCURRENCE	\$ 15,000,000
							AGGREGATE	\$ 15,000,000
								\$
D	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	UB9H9151012443G	1/1/2024	1/1/2025	<input checked="" type="checkbox"/> PER STATUTE	\$ 1,000,000
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
E	PROF/POLL LIABILITY			ECH254066939	1/1/2024	1/1/2025	EACH CLAIM	\$ 10,000,000
E	RETRO: 070287			ECH254066939	1/1/2024	1/1/2025	AGGREGATE	\$ 15,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RENEWALS: contracts@teamAET.com

ILLUSTRATION ONLY

CERTIFICATE HOLDER ILLUSTRATION CERTIFICATE	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type. See Specific Instructions on page 3.	<p>1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. AMERICAN ENGINEERING TESTING, INC.</p> <p>2 Business name/disregarded entity name, if different from above</p>	
	<p>3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.</p> <p> <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate </p> <p> <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ </p> <p>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</p> <p><input type="checkbox"/> Other (see instructions) ▶ _____</p>	<p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) _____</p> <p>Exemption from FATCA reporting code (if any) _____</p> <p><small>(Applies to accounts maintained outside the U.S.)</small></p>
	<p>5 Address (number, street, and apt. or suite no.) See instructions. 550 CLEVELAND AVENUE NORTH</p> <p>6 City, state, and ZIP code ST. PAUL, MN 55114</p>	<p>7 List account number(s) here (optional)</p> <p>Requester's name and address (optional)</p>

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number									
or									
Employer identification number									
4	1	-	0	9	7	7	5	2	1

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person	Date ▶ 1/1/24
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.