

February 12, 2020

EXHIBIT A

City of Joplin
Attn: Lynden Lawson
602 S. Main
Joplin, MO 64801

Re: PJE-021, Fire Station No 1 Concrete Apron Replacement
303 E. 3rd, Joplin, MO 64801

Mr. Lawson,

Anderson Engineering appreciates the opportunity to provide Civil, Surveying, and Geotechnical engineering services for the proposed concrete apron replacement located in Joplin, MO. The project manager for this project will be Cody White.

This proposal is based on our conversation with you, and resources provided by you about the project. As requested, our proposed scope of services is as follows:

CIVIL ENGINEERING - \$7,000.00

GRADING & EROSION CONTROL PLAN:

Provide a grading and erosion control plan. Finish grades will include spot elevations, as applicable, for existing pavement, proposed pavement, proposed concrete, and grading at one-foot contour intervals for the proposed project. It is anticipated that this project will disturb less than 1 acre of soil so a permit thru Department of Natural Resources is not needed.

SITE LAYOUT:

Provide a site layout and geometry plan for the proposed project outlining the proposed paving plan, jointing plan and proposed phasing plan. Please note that the phasing plan will be coordinated with the City/Fire Chief. We will coordinate the proposed site with the existing improvements to ensure proper traffic turning movements, drainage, and overall functionality of the proposed development.

COVER SHEET WITH GENERAL CONSTRUCTION NOTES:

Provide a cover sheet that contains general construction notes as well as general project location, project information and owner information.

CONSTRUCTION DETAILS:

Provide general construction details for the site consisting of concrete details, joint plan details, detail for rebar over utilities, erosion control, trench & bedding, pavement thickness, etc.

BID DOCUMENTS:

Anderson Engineering will prepare specifications and bid documents. Bid documents will be bid using Anderson Engineering's online plan room. Anderson Engineering will manage pre bid meetings, reviewing bids and providing a tabulated bid tab. Anderson Engineering will also provide our bid recommendation and justification.

In an effort to provide the described scope above in the most effective manner possible, Anderson Engineering requests the following information be provided from the owner. Anderson Engineering requests the location of any onsite private utilities within the proposed project area be provided to avoid potential utility conflicts. Anderson Engineering requests as-built drawings (if available) of the project area.

Anderson Engineering can normally begin work on the topographic/boundary survey within 2 weeks after receiving a signed work authorization. For a development this size, Anderson Engineering expects 2 – 3 weeks to conduct a topographic/boundary survey and process the data for civil engineering design. Anderson Engineering expects an additional 2 – 3 weeks for civil engineering design. The owner can expect a design timeframe of 6 – 8 weeks after receiving a signed work authorization to signed and sealed construction documents. Anderson Engineering will provide services as expeditiously as practical with the goal of meeting a mutually agreed upon schedule with the design team.

LAND SURVEYING - \$2,400.00**TOPOGRAPHIC SURVEY:**

Anderson Engineering will perform a Topographic Survey to be used for layout and design of improvements. Topographic features within the project area to be shown will include roads, road right of way, fences, culverts, driveways, buildings and any above ground and underground utilities as located by the utility owner and/or their representatives. The topographic survey will be performed on the horizontal datum of the Missouri State Plane Coordinate System of 1983, West Zone and the North American Vertical Datum of 1988. Various control points and a temporary benchmark will be set for the project. Vertical relief will be depicted with contours at one-foot intervals and spot elevations will be shown on hard surfaces. The survey will be made available to the client in electronic (pdf) and CAD (dwg) format, as well as paper copies.

GEOTECHNICAL ENGINEERING - \$11,500.00**MATERIALS TESTING – \$7,500.00**

The above price for testing is an estimate based solely on the information provided at this time. We request that we are provided with a set of drawings and specifications when they become available to update the estimated cost. Items to be inspected include proof rolling, DCP testing of cut subgrade, Atterberg Limits, Grain size and classification, densities, proctors, rebar inspection, and concrete testing.



PAVEMENT DESIGN – \$4,000.00

The above price is for the pavement design of the concrete approaches for the City of Joplin Fire Station #1. Initial pavement design will be developed based on site observations and an assumed CBR subgrade strength. To verify the validity of the assumed CBR subgrade strength and pavement design, the subgrade will be reevaluated after the existing pavement has been removed. Reevaluation of subgrade may consists of the following: visual-manual methods, probing with a t-handled probe, a dynamic cone penetrometer (DCP), a pocket penetrometer, observation of utility presence and conditions, and observing how the soils react to passes of equipment onsite.

THE TOTAL LUMP SUM FEE FOR THE ABOVE SERVICES IS \$20,900.00



OTHER

This proposal includes one set of reviews with the local governmental agency identified above. If additional reviews are required not as a result of errors by Anderson Engineering, then that additional work will be billed at our standard hourly charge rates in addition to the fees listed above.

This proposal is valid for acceptance within 60 days from the date on this proposal. This proposal includes providing two sets of signed plans and one set of technical specifications.

ASSUMPTIONS

We have also assumed that all right of ways, easements, property ownership issues, and private utilities affecting the project will be provided by you to us. We will make a Utility Locate call to identify public utilities; however, we have assumed that all public utilities will be located accurately by the Utility Locator.

GENERAL INFORMATION

Please note that any changes in the scope of work to be performed, or changes in the information provided to us, such as changes in the location of buildings or parking areas, which results in additional work will be billed at our standard hourly charge rates in addition to the fees listed above.

Any existing easements, covenants, restrictions or encumbrances that affect the subject property shall be provided to Anderson Engineering by the client if such encumbrances are to be made a part of this Final Plat. There are many additional, related services that we could perform, but since this proposal is limited in nature, this proposal does not include any geotechnical exploration, performance of a boundary survey or ALTA survey, utility main extensions, any design service not expressly listed above, and submittal of permits to various agencies. Also, this proposal also does not include preparation of cost estimates, bid forms, or bid documents, or any construction staking, observations or testing. This proposal also does not include any plan or review compliance with local governmental agency for items not identified above. Anderson Engineering would be happy provide a proposal for these services upon request.

Invoices are due upon receipt regardless of whether the client has been, or is to be, reimbursed by any other party. A service charge of one and one-half percent per month is assessed on accounts 45 days past due. A WORK AUTHORIZATION AGREEMENT form and GENERAL CONDITIONS statement is provided for your signature. Should you have any questions regarding these proposals, please give us a call. Again, we want to thank you for the opportunity to be of service and we look forward to working with you on this project.

Sincerely,



Josh C. Oathout, EI
Design Engineer



Gregory B. Bowers, P.L.S
Vice President



Cody R. White, P.E.
Vice President



EXHIBIT A

WORK AUTHORIZATION AGREEMENT

Anderson Engineering, Inc. (hereinafter referred to as "A/E") is pleased to provide the services described below. The purpose of this AGREEMENT is to obtain your authorization for the work requested by the CLIENT and confirm the TERMS AND CONDITIONS under which these services are provided, as hereinafter referred to:

The " CLIENT " is:	City of Joplin	Address:	602 S. Main Joplin, MO 64801
The " PROJECT "	Fire Station № 1 Concrete Approach Replacement	Location:	303 E. 3rd, Joplin, MO 64801

TERMS AND CONDITIONS:

- I. GENERAL CONDITIONS NUMBERED 1. THROUGH 12. (as shown on back).
- II. SCOPE OF WORK DETAILED: Proposal PJE-021, dated February 12, 2020
- III. SPECIAL CONDITIONS
- IV. FEES AND COMPENSATION: As described in above referenced proposal.
- V. PAYMENT: Payment is due upon receipt regardless of whether CLIENT has been, or is to be, reimbursed by any other party.

ACKNOWLEDGMENTS AND WORK AUTHORIZATION:

ANDERSON ENGINEERING, INC.

AUTHORIZED AND AGREED TO: CLIENT:

by: Cody R White
Cody R. White, P.E., Vice President

by: _____

by: Gregory B. Bowers
Gregory B. Bowers, P.L.S., Vice President

(Print Name and Title)

DATE: February 12, 2020

DATE: _____

GENERAL CONDITIONS

1. PAYMENT TERMS: A/E will submit invoices to CLIENT monthly and/or upon completion of services. Payment is due upon receipt regardless of whether CLIENT has been, or is to be, reimbursed by any other party. CLIENT agrees to pay a service charge of one and one half percent (1 ½%) per month on accounts 45 days past due. If requested by CLIENT, LIEN WAIVERS WILL BE PROVIDED UPON PAYMENT. All collection costs, including reasonable attorney fees will be assessed to CLIENT which CLIENT agrees to pay.

2. INSURANCE: A/E maintains Worker's Compensation and Employer's Liability Insurance in conformance with applicable state law. A/E has insurance under public liability and property damage which A/E deems to be adequate. Certificates of insurance evidencing such coverage will be provided, if requested.

3. STANDARD OF CARE: The only warranty or guarantee made by A/E in connection with the services performed hereunder, is that A/E will use that degree of care and skill ordinarily exercised under similar conditions by reputable members of the profession currently practicing in the same or similar locality. NO OTHER REPRESENTATION, WARRANTY, OR GUARANTEE EXPRESSED OR IMPLIED IS MADE OR INTENDED BY PROPOSAL, SERVICES PERFORMED OR BY FURNISHING ORAL OR WRITTEN REPORTS.

4. RISK ALLOCATION: Due to the very limited benefit A/E will derive from this project compared to that of other parties involved, including CLIENT, CLIENT AGREES THAT TO THE FULLEST EXTENT PERMITTED BY LAW TO LIMIT ANDERSON ENGINEERING, INC. TOTAL LIABILITY TO CLIENT, OR ANY OTHER PARTY USING OR RELYING ON A/E'S WORK, FOR ANY AND ALL INJURIES, CLAIMS, LOSSES, EXPENSES OR DAMAGES WHATSOEVER ARISING OUT OF OR IN ANY WAY RELATING TO THE WORK, THE PROJECT, OR THIS AGREEMENT FROM ANY CAUSE OR CAUSES INCLUDING BUT NOT LIMITED TO NEGLIGENCE, ERRORS, OMISSIONS, STRICT LIABILITY, OR BREACH OF AGREEMENT TO THE GREATER OF THE TOTAL AMOUNT PAID BY THE CLIENT FOR THE SERVICES UNDER THIS AGREEMENT OR A COMBINED TOTAL FOR ALL PARTIES OF \$25,000, WHICHEVER IS THE GREATER.

5. RIGHT-OF-ENTRY: CLIENT will furnish right-of-entry on the property for A/E employees, agents, and subcontractors to perform the service and represents that it has obtained the needed permits and licenses for the project. A/E will take reasonable precautions to minimize damage to the property caused by its operations, but have not included in the fee the cost of restoration of damage which may result. If CLIENT desires A/E to restore the property to its former condition, A/E will accomplish this and add the cost to the fee.

6. OWNERSHIP OF DOCUMENTS: Unless provided otherwise, all documents including but not limited to drawings, electronic files, specifications, reports, boring logs, field notes, laboratory test data, calculations and estimates prepared by A/E as instruments of service pursuant to this Agreement, shall be the sole property of A/E. CLIENT agrees that all documents of any nature furnished to CLIENT or CLIENT's agents or designate, if not paid for, will be returned upon demand and will not be used by CLIENT for any purpose whatsoever. CLIENT further agrees that under no circumstance shall any documents produced by A/E, pursuant to this Agreement, be used at any location or for any project not expressly provided for in this Agreement without the written permission of A/E. At the request and expense of the CLIENT, A/E will provide the CLIENT with copies of documents created in the performance of the work for a period not exceeding one year following completion of service.

7. DELIVERY OF ELECTRONIC FILES: In accepting and utilizing any drawings, reports and data on any form of electronic media generated and furnished by A/E, the CLIENT agrees that all such electronic files are instruments of service of A/E, who shall be deemed the author, and shall retain all common law, statutory law and other rights, including copyrights.

The CLIENT agrees not to reuse these electronic files, in whole or in part, for any purpose other than for the Project. The CLIENT agrees not to transfer these electronic files to others without the prior written consent of A/E. The CLIENT further agrees to waive all claims against A/E resulting in any way from any unauthorized changes to or reuse of the electronic files for any other project by anyone other than A/E.

The CLIENT and A/E agree that any electronic files furnished by either party shall conform to the specifications agreed upon in the CONTRACT. Any changes to the electronic specifications by either the CLIENT or A/E are subject to preview and acceptance by the other party. Additional services by A/E made necessary by changes to the electronic file specifications shall be compensated for as Additional Services.

Electronic files furnished by either party shall be subject to an acceptance period of 30 days during which the receiving party agrees to perform appropriate acceptance tests. The party furnishing the electronic file shall correct any discrepancies or errors detected and reported within the acceptance period. After the acceptance period, the electronic files shall be deemed to be accepted and neither party shall have any obligation to correct errors or maintain electronic files. The CLIENT is aware that differences may exist between the electronic files delivered and the printed hard-copy construction documents. In the event of a conflict between the signed construction documents prepared by A/E and electronic files, the signed or sealed hard-copy construction documents shall govern.

In addition, the CLIENT agrees, to the fullest extent permitted by law, to indemnify and hold harmless A/E, its officers, directors, employees and sub-consultants (collectively, A/E) against all damages, liabilities or costs, including reasonable attorneys' fees and defense costs, arising from any changes made by anyone other than A/E or from any reuse of the electronic files without the prior written consent of A/E.

Under no circumstances shall delivery of electronic files for use by the CLIENT be deemed a sale by A/E and A/E makes no warranties, either express or implied, of merchantability and fitness for any particular purpose. In no event shall A/E be liable for indirect or consequential damages as a result of the CLIENT's use or reuse of the electronic files.

8. SAFETY: Should A/E provide any services at the job site during construction, CLIENT AGREES that, in accordance with generally accepted construction practices, the contractor will be solely responsible for working conditions on the job site, including safety of all persons and property during the performance of the work, and compliance with OSHA regulations, and these requirements will apply continuously and not limited to normal working hours.

9. NO RESPONSIBILITY FOR CONTRACTOR'S PERFORMANCE: Except for its own subcontractors and employees, Anderson Engineering shall not be responsible for safety precautions, the quality of any contractor's work, acts or omissions of any contractor, subcontractor, supplier, or other person at the project site.

10. LOCATION OF EXISTING MAN-MADE OBJECTS: It shall be the responsibility of the Client or his authorized representative to disclose the presence and accurate location of all hidden or obscure man-made objects relative to the work being performed. CLIENT AGREES to indemnify and save harmless A/E from all claims, suits, losses, personal injuries, death and property liability resulting from damages to subsurface structures, owned by Client or third parties, occurring from work performed on the site, whose presence and exact locations were not revealed to A/E in writing, and to reimburse A/E for expenses in connection with any such claims or suits, including reasonable attorney's fees.

11. SUSPENSION OF SERVICES/TERMINATION: Either party may suspend performance immediately upon becoming aware of a breach of the terms of this agreement by the other party and provide notice of its intention to terminate. In the event A/E determines there may be a significant risk that A/E's invoices may not be paid on a timely basis A/E may suspend performance and/or retain any reports or other information until Client provides A/E with adequate assurances of payment. The filing of a voluntary or involuntary bankruptcy petition, appointment of a receiver, assignment for the benefit of creditor or other similar act of insolvency shall constitute a breach. Termination will become effective fourteen (14) calendar days after receipt of notice by the breaching party unless the event(s) giving rise to the breach are remedied within that time frame.

12. GOVERNING LAWS: This Agreement shall be governed in all respects by the laws of the State of Missouri.

EXHIBIT A

FEE SCHEDULE

THIS SCHEDULE IS PREPARED AS A METHOD OF CHARGING FOR SERVICES ON A UNIT AND HOURLY BASIS. THE RATES ARE BASED UPON THE SKILL AND KNOWLEDGE OF OUR PERSONNEL. INVOICES WILL BE SUBMITTED MONTHLY AND/OR UPON COMPLETION OF SERVICES. PAYMENT IS DUE ON RECEIPT OF THE INVOICE. ACCOUNTS OVER FORTY-FIVE DAYS ARE SUBJECT TO 1 1/2% PER MONTH SERVICE CHARGE. SERVICES WILL BE PERFORMED IN ACCORDANCE WITH ACCEPTED STANDARD METHODS UTILIZING PROPERLY TRAINED, REGISTERED, LICENSED, OR CERTIFIED PERSONNEL AS REQUIRED. HOWEVER, WE CANNOT ASSUME RESPONSIBILITY FOR CONSTRUCTION METHODS, MATERIALS, PROCEDURES, PRODUCTS, SAMPLING OR ACTIONS OF OTHERS.

ANDERSON ENGINEERING, INC., BY:  EFFECTIVE: 1/1/2020 THROUGH 12/31/2020
JERROD HOGAN P.L.S., CEO

PERSONNEL (HOURLY RATES):

PRINCIPAL	\$250.00	ENVIRONMENTAL SPECIALIST II	\$125.00
PRINCIPAL ENGINEER	\$208.00	ENVIRONMENTAL SPECIALIST I	\$100.00
ENGINEERING MANAGER	\$187.00	ONE MAN SURVEY CREW	\$118.50
PROJECT MANAGER	\$169.00	TWO MAN SURVEY CREW	\$150.00
PROJECT ENGINEER	\$150.00	THREE MAN SURVEY CREW	\$200.00
ASSOCIATE ENGINEER	\$126.50	FOUR MAN SURVEY CREW	\$249.00
DESIGN ENGINEER	\$101.00	LANDSCAPE ARCHITECT	\$135.00
PROJECT DESIGNER	\$133.00	GIS DIRECTOR	\$156.00
SENIOR DESIGNER	\$119.50	GIS MANAGER	\$130.00
DESIGNER III	\$108.00	GIS ANALYST	\$120.00
DESIGNER II	\$97.00	GIS SPECIALIST	\$100.00
DESIGNER	\$87.00	GIS TECHNICIAN	\$85.00
PROJECT COORDINATOR	\$96.00	IBC FIRESTOP INSPECTOR	\$100.00
PRINCIPAL SURVEYOR	\$187.00	DRILLING COORDINATOR	\$133.00
SURVEY MANAGER	\$160.00	PROJECT REPRESENTATIVE III	\$100.00
PROJECT SURVEYOR	\$125.00	PROJECT REPRESENTATIVE II	\$85.00
ASSOCIATE SURVEYOR	\$105.00	PROJECT REPRESENTATIVE I	\$72.50
LAB MANAGER	\$135.00	STRUCTURAL STEEL INSPECTOR	\$100.00
TECHNICIAN IV- SURVEY/LAB SPECIAL	\$100.00	AWS CERTIFIED WELD INSPECTOR	\$100.00
TECHNICIAN III- SURVEY/SENIOR LAB	\$82.00	ASNT TC-1A ULTRASONIC, MAG	
TECHNICIAN IIs- SURVEY	\$68.50	PARTICLE & DYE TESTING- LEVEL II	\$95.00
TECHNICIAN II- LAB	\$59.00	ADMINISTRATIVE ASSISTANT	\$50.00
TECHNICIAN I- SURVEY/LAB AIDE	\$49.00		

EXPENSES & EQUIPMENT CHARGES:

VEHICLE (3/4 TON OR LESS)	\$0.67/MILE	GPS	\$289.00/DAY
VEHICLE (SUBURBAN & 1 TON)	\$0.73/MILE	ROBOTIC TOTAL STATION	\$267.50/DAY
WATER TRUCK	\$77.00/DAY + \$0.73/MILE	DRONE	\$426.00/DAY
LASER SCANNING	\$425.00/DAY	COPIES	\$0.15/EACH
MOBILE LIDAR	\$1,000.00/MILE (\$5,000.00 MIN)	PRINTING PLANS	\$0.53/SF + TECH TIME

REIMBURSABLES:

(COST PLUS 15%) TRAVEL EXPENSES (INCLUDING MEALS AND LODGING), OUTSIDE PRINTING, CONSUMABLE MATERIALS, AND SUBCONTRACTOR EXPENSES.

OVERTIME (OVER 8 HOURS PER DAY OR STAURDAYS, SUNDAYS, AND HOLIDAY WORK):

1.5 TIMES THE HOURLY RATE.

HOURLY RATES:

APPLY TO MEETINGS AND TRAVEL TIME.

DEPOSITION OR COURT TESTIMONY:

1.5 TIMES THE HOURLY RATE.

MINIMUM CHARGE:

2 HOURS OF TECHNICIAN TIME PER JOB SITE VISIT, EXCEPT FOR CYLINER AND SAMPLE PICK UP.

FEE SCHEDULE

JANUARY 1, 2020 TO DECEMBER 31, 2020

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HAZARDOUS OPERATION CHARGE:

FOR LEVEL C: 1.5 TIMES THE BASIC CHARGE; FOR LEVEL A & B: 2 TIMES THE BASIC CHARGE.

FIELD TESTING AND INSPECTION CHARGES:

FIELD DENSITY (COMPACTION TEST)	BASIC CHARGES + \$9.00/EACH
CONE PENETROMETER.....	BASIC CHARGES + \$17.00/EACH
FLOOR FLATNESS EQUIPMENT.....	BASIC CHARGES + \$283.00/EACH
DYNAMIC CONE PENETROMETER.....	BASIC CHARGES + \$28.00/EACH
CORING EQUIPMENT CHARGES.....	BASIC CHARGES + \$113.00/DAY
MAGNESIUM STRAIGHT EDGE.....	BASIC CHARGES + \$50.00/DAY
ROLLING STRAIGHT EDGE.....	BASIC CHARGES + \$225.00/DAY

LABORATORY TEST CHARGES:

AGREGATES (ASTM)	UNIT CHARGE
L.A. ABRASION, SMALL AGG. (C131)	\$144.00
L.A. ABRASION, LARGE AGG. (C535)	\$175.00
SULFATE SOUNDNESS TEST (C88): 5-CYCLE	\$242.00
10-CYCLE	\$337.00
20-CYCLE	\$476.00
SIEVE ANALYSIS, DRY AGG. (C136)	\$59.00
SIEVE ANALYSIS (C117)	\$72.00
SIEVE ANALYSIS (C117, C136)	\$89.00
SPECIFIC GRAVITY, FINE AGG. (C128)	\$65.00
SPECIFIC GRAVITY, COARSE AGG. (C127)	\$65.00
LIGHTWEIGHT PIECES IN AGG. (C123)	\$101.00
ORGANIC IMPURITIES (C40)	\$59.00
FLAT & ELONGATED PIECES (D4791)	\$89.00
DELETERIOUS MATLS (MODOT TM71)	\$78.00
CLAY LUMPS & FRAMBLE PARTICLES (C142)	\$96.00
DRY RODDED UNIT WEIGHT (C29)	\$42.00

MASONRY TESTS (ASTM)

COMPRESSIVE STRENGTH, 4" BLOCK	\$29.00
COMPRESSIVE STRENGTH, 6" BLOCK	\$36.00
COMPRESSIVE STRENGTH, 8" BLOCK	\$50.00
COMPRESSIVE STRENGTH, 12" BLOCK	\$83.00
COMPRESSIVE STRENGTH, MORT/GR CUBE	\$14.00
GROUT PRISM	\$14.00
MORTAR CYLINDER (2" X 4")	\$14.00
ABSORPTION, MASONRY BLOCK	\$48.00
LINEAR SHRINKAGE (SET OF 3)	\$361.00

BITUMINOUS TESTING

ASPAHLT CONTENT	\$108.00
ASPHALT CONTENT & AGG. GRADATION	\$180.00
SIEVE ANALYSIS EXTRACTION	\$89.00
MARSHALL TEST, FIELD- 3 PUCKS	\$89.00
MARSHALL TEST, LAB- 3 PUCKS	\$132.00
RETAINED STABILITY	\$204.00
ASPHALT CORE DENSITY, EACH	\$29.00
THEORETICAL MAX. DENSITY	\$144.00

CONCRETE/ROCK CORE

CORE TRIM & TEST	\$47.75
THICKNESS (AASHTO T148/ASTM C174)	\$27.25

SOIL TESTS (ASTM)

	UNIT CHARGE
ATTERBERG LIMITS (D4318)	\$65.00
SWELL TEST, 1/16 TSF (D4546)	\$175.00
SWELL PRESSURE (D4546)	\$331.00
SHRINKAGE LIMIT (D4643)	\$65.00
MOISTURE CONTENT (C2216)	\$7.00
SIEVE + HYDROMETER	\$162.00
HYDROMETER ONLY (D422)	\$89.00
USCS CLASSIFICATION	\$30.00
PERECT PASSING #200	\$48.00
SPECIFIC GRAVITY (D854)	\$83.00
UNCONFINED COMPRESSION	\$57.00
UNCONFINED/TRIAXIAL, REMOLDED	\$89.00
TRIAxIAL TEST, PP, CU w/PP /POINT	\$351.00
ORGANIC MATTER (D2974-C)	\$59.00
PENETROMETER	\$5.00
SAMPLE PREP, PER HOUR	\$57.00
SHELBY TUBE DENSITY	\$36.00
RESISTIVITY, 1 POINT	\$70.00
RESISTIVITY, MINIMUM	\$80.00
PERMEABILTY, FALLING HEAD	\$432.00
PERMEABILITY, FLEXIBLE WALL	\$408.00
PERMEABILITY CONSOLIDATION TEST	\$180.00
CONSOLIDATION TEST, TO 8 TSF	\$457.00
CONSOLIDATION TEST, >8 TSF	\$59.00
CALIFORNIA BEARING RATIO, LAB./PNT	\$120.00
pH	\$59.00

LABORATORY COMPACTION TESTS

MOISTURE DENSITY RELATIONSHIP	
STD. PROCTOR (D698), MTH. A & B	\$173.00
STD. PROCTOR (D698), MTH. C	\$204.00
STD. PROCTOR (D698), 1 POINT	\$61.00
MOD. PROCTOR (D1557), MTH. A & B	\$211.00
MOD. PROCTOR (D1557), MTH. C	\$285.00
MOD. PROCTOR (D1557), 1 POINT	\$67.00
RELATIVE DENSITY	\$433.00

CONCRETE TESTING

4" X 8" OR 6" X 12" TEST MOLD	\$2.25
6" X 12" CYLINDER, TESTED & MOLD	\$16.50
4" X 8" CYLINDER, TESTED & MOLD	\$11.75
SAW CONCRETE CYLINDER	\$28.25
BEAM FLEXURAL STRENGTH	\$40.00
CONCRETE BEAM, NOT TESTED	\$22.50
SAMPLE PREP, CLIENT MADE (5 CYLS.)	\$30.00



FEE SCHEDULE

JANUARY 1, 2020 TO DECEMBER 31, 2020

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DRILLING SERVICES CHARGES:

ENGINEER, STANDBY TIME, STAKEOUT CREW & OFFICE PERSONNEL.....	BASIC CHARGES
MILEAGE- CME 55 RIGS.....	\$2.75/MILE (\$100.00 MINIMUM)
MILEAGE- CME 75 RIGS.....	\$3.11/MILE (\$100.00 MINIMUM)
MILEAGE- CME 550 RIGS.....	\$3.11/MILE (\$150.00 MINIMUM)
CME 55 DRILL RIG AND TWO MAN CREW.....	\$201.00/HOUR
CME 75 DRILL RIG AND TWO MAN CREW.....	\$234.00/HOUR
CME 550 DRILL RIG AND TWO MAN CREW.....	\$234.00/HOUR
CORE BIT CHARGE.....	\$6.59/FOOT
ROCK CORE SET UP.....	\$81.95/BORING
DECONTAMINATION EQUIPMENT.....	\$159.00/DAY
GROUT MACHINE.....	\$265.00/DAY
PLUG & BACKFILL BORINGS (UP TO 20 FT. DEPTH).....	\$12.60/EACH
ALL-TERRAIN DRILL RIG RENTAL SURCHARGE.....	\$318.00/DAY
CME 55 EQUIPMENT RENTAL SURCHARGE.....	\$175.00/DAY
CME 75 EQUIPMENT RENTAL SURCHARGE.....	\$225.00/DAY
WATER TRUCK TANK & EQUIPMENT SURCHARGE.....	\$85.00/DAY
RESISTIVITY, FIELD TESTING, EQUIPMENT.....	\$275.00/DAY
DOWNHOLE, CAMERA, ROCK CORE.....	\$125.00/DAY
MINIMUM DRILLING CHARGE.....	\$1,200.00/DAY

<u>DRILLING ITEM</u>	<u>DEPTH</u>				
	<u>0' TO 20'</u>	<u>20' TO 40'</u>	<u>40' TO 60'</u>	<u>60' TO 100'</u>	<u>100' TO 150'</u>
SOIL OVERBURDEN, 4 IN. AUGER	\$8.75	\$9.75	\$10.80	\$12.10	-
SOIL OVERBURDEN, 6 IN. HS AUGER	\$10.55	\$12.10	\$13.10	\$14.65	-
SOIL OVERBURDEN, 8 IN. HS AUGER	\$10.55	\$13.10	\$15.95	\$18.55	-
SOIL OVERBURDEN, 10 IN. HS AUGER	\$12.10	\$18.55	-	-	-
SOIL OVERBURDEN, 12 IN. HS AUGER	\$14.65	\$18.55	-	-	-
ROCK PENETRATION	\$32.70	\$36.55	\$38.90	\$45.30	\$66.75
NQ CORING	\$42.50	\$45.30	\$51.00	\$58.70	-
STANDARD PENETRATION TEST	\$24.20	\$30.10	\$36.85	\$42.50	-
3 IN. SHELBY TUBES	\$30.10	\$36.85	\$42.50	\$48.95	-

NOTE: A HIGHER PRICE WILL APPLY WHEN THERE IS AN INCREASED RISK OF LOSING AUGERS OR BREAKING CORE BARRELS.

