

**EXHIBIT
"A"**

STATE OF TEXAS

§

§

COUNTY OF WILLIAMSON

§

**SUPPLEMENTAL CONTRACT NO. 1
TO CONTRACT FOR ENGINEERING SERVICES
FOR ON-CALL GEOTECHNICAL SERVICES
WORK AUTHORIZATION**

FIRM: TERRACON CONSULTANTS, INC. ("Engineer")
ADDRESS: 5307 Industrial Oaks Boulevard, #160, Austin, TX 78735

This Supplemental Contract No. 1 to Contract for Engineering Services is made by and between the City of Round Rock, Texas, hereinafter called the "City" and Terracon Consultants, Inc., hereinafter called the "Engineer".

WHEREAS, the City and Engineer executed a Contract for Engineering Services, hereinafter called the "Contract", on the 26th day of June, 2014 for the On-Call Geotechnical Services Project in the amount of \$75,000.00; and

WHEREAS, it has become necessary to amend the Contract to modify the fee schedule; and

WHEREAS, it has become necessary to amend the Contract so that the contract term shall terminate at the close of business day on December 31, 2017;

NOW THEREFORE, premises considered, the City and the Engineer agree that said Contract is amended as follows:

I.

Exhibit C, Fee Schedule shall be amended as set forth in the attached Addendum To Exhibit C.

II.

Article 3, Contract Term shall be amended so that the contract term shall terminate at the close of business day on December 31, 2017.

IN WITNESS WHEREOF, the City and the Engineer have executed this Supplemental Contract in duplicate.

TERRACON CONSULTANTS, INC.

By: _____

Date

CITY OF ROUND ROCK

By: _____
Alan McGraw, Mayor

Date

APPROVED AS TO FORM:

Stephan L. Sheets, City Attorney

ADDENDUM TO EXHIBIT C
Fee Schedule

Attached Behind This Page

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SCHEDULE OF SERVICES AND FEES

GEOTECHNICAL ENGINEERING & CONSTRUCTION MATERIALS TESTING SERVICES

Personnel

Senior Principal / Officer / Consultant, P.E., per hour	\$175.00
Principal Engineer, P.E., per hour	\$155.00
Senior Engineer, P.E. / Sr. Geologist, P.G. / Sr. Project Manager, per hour	\$130.00
Project Manager, per hour	\$120.00
Project Engineer, P.E., per hour	\$115.00
Staff Engineer, per hour	\$105.00
Field Engineer / Field Geologist, per hour	\$95.00
Drilling / Field Services Coordinator, per hour	\$72.50
Construction Materials Technicians:	
Level I	\$48.00
Level II	\$50.00
Level III	\$54.00
Level IV	\$60.00
Certified Welding Inspector	\$90.00
Non-Destructive Testing Welding Inspector	\$100.00
Draftsman, per hour	\$75.00
Administrative Staff, per hour	\$50.00

Transportation

Vehicle Charge, per trip (for sites within 25 mile radius of office)	\$45.00
Additional Mileage, per mile (for sites beyond 25 mile radius of office)	\$0.65

A fuel surcharge may be added if fuel costs increase by more than 10% during the project/contract duration.

Reimbursable Expenses

Direct non-salary expenses incurred, identifiable, and not applicable to general overhead are billed at cost plus 15 percent for handling and include, but are not limited, to the following:

Special supplies, permits, equipment, associated drilling, sampling, field testing, on-site facilities, clearing/grading contractors, water trucks, bulldozers, security forces, surveyors, traffic control, or other support services will be billed at cost plus 15 percent.

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SCHEDULE OF SERVICES AND FEES

Field Services

Mobilization of Truck-Mounted Drill Rig, each (for sites within 50 mile radius of office)	\$350.00
Addl. Mileage of Truck-Mounted Drill Rig, per mile (for sites beyond 50 mile radius of office)	\$4.50
Minimum Field Charge for Truck-Mounted Drill Rig, per day	\$800.00
Mobilization of Track/ATV-Mounted Drill Rig, each (for sites within 50 mile radius of office)....	\$750.00
Addl. Mileage of Track/ATV Drill Rig, per mile (for sites beyond 50 mile radius of office).....	\$6.00
Minimum Field Charge for Track/ATV-Mounted Drill Rig, per day	\$1,500.00
Drilling Crew Hourly Rate (two-man crew), per hour	\$250.00
Drilling Crew & Rig Standby Time & Clean-Up Time (two-man crew), per hour	\$250.00
Extra Drilling Crew Member, per hour	\$75.00
Per Diem for Overnight Trips, per man-day.....	\$150.00
Soil Borings, using 3-inch thin-wall tube sampling (Shelby tube) or 2-inch split-barrel sampling (SPT):	
0 to 50 feet, per foot.....	\$15.00
50 to 100 feet, per foot.....	\$18.00
100 to 150 feet, per foot.....	\$22.00
Auger or wash Borings, per foot (i.e., no sampling):	
0 to 50 feet, per foot.....	\$10.00
50 to 100 feet, per foot.....	\$13.00
100 to 150 feet, per foot.....	\$17.00
Soil Borings using Hollow-Stem Augers:	
0 to 50 feet, per foot.....	\$20.00
50 to 100 feet, per foot.....	\$23.00
100 to 150 feet, per foot.....	\$27.00
Rock Coring, using Nx core barrel sampling:	
Softer Rocks using carbide bits (e.g., Austin, Eagle Ford, Del Rio formations and similar):	
0 to 50 feet, per foot.....	\$20.00
50 to 100 feet, per foot.....	\$23.00
100 to 150 feet, per foot.....	\$27.00
Harder Rocks (e.g., Glen Rose, Edwards, Buda, Georgetown, formations and similar):	
0 to 50 feet, per foot.....	\$23.00
50 to 100 feet, per foot.....	\$26.00
100 to 150 feet, per foot.....	\$30.00
Additional Footage Charge if using Track or ATV-Mounted Drill Rig, per foot	\$3.00
TxDOT Cone Penetration (TCP) tests:	
0 to 50 feet, each	\$30.00
50 to 100 feet, each	\$40.00
100 to 150 feet, per foot.....	\$50.00

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SCHEDULE OF SERVICES AND FEES

Grouting of Borings with bentonite, per foot	\$5.00
Grouting of Borings with concrete or bentonite-cement grout, per foot	\$7.50
Patching of Borehole Surface with Asphalt	\$25.00
Patching of Borehole Surface with Concrete.....	\$35.00
Rock coring of very hard rocks such as granite, marble, schist, gneiss, etc.	On request
Monitor Well / Piezometer Installation	On request
Interior and/or Limited Access Drilling/Sampling	On request

Laboratory Classification Tests

Atterberg limits, each	\$55.00
Moisture content, each.....	\$8.00
Density Determination (using Shelby tube or SPT sample), each	\$15.00
Specific gravity, each	\$80.00
pH of Soil, each.....	\$30.00
Electrical Conductivity (using Miller box method), each	\$125.00
Chloride & Soluble Sulfate Content, each	\$75.00

Laboratory Grain Size Tests

Sieve Analysis, coarse, ASTM C 136, each	\$75.00
Sieve Analysis, fine (percent passing No. 200 sieve), ASTM C 117, each.....	\$45.00
Combined ASTM C 136 and C 117, each	\$105.00
Hydrometer analysis, ASTM D 422, each.....	\$125.00

Laboratory Strength and Volume Change Tests

Unconfined Compression Test (soil), each	\$30.00
Unconfined Compression Test (rock), each	\$35.00
Triaxial Compression Tests:	
Unconsolidated-Undrained (UU), per circle.....	\$295.00
Consolidated-Undrained (CU), with pore pressure measurements, per circle	\$490.00
Direct Shear Tests:	
On Cohesionless Coarse-Grained Soils, each.....	\$210.00
On Cohesive Fine-Grained Soils, each	\$285.00
Absorption Swell Tests:	
Single Pressure (at estimated overburden), each	\$125.00
Additional Pressures, each	\$55.00

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SCHEDULE OF SERVICES AND FEES

Consolidation Test, regular with increasing load increments (max 6 loads), each	\$515.00
Additional Load Increments, each	\$55.00
Additional Unload-Reload Cycles, per cycle	\$125.00

Other Laboratory Tests and Miscellaneous Items

Falling Head (Flexible Wall) Permeability Test (ASTM D5084), each	\$350.00
Constant Head Permeability Test (ASTM D2434), each	\$355.00
Optimum Moisture/Maximum Density Relations:	
ASTM D 698, each	\$180.00
ASTM D 1557, each	\$220.00
TEX-113-E, each	\$220.00
TEX-114-E, each	\$180.00
Additional Charge for Coarse Aggregate Correction (ASTM D 4718), each	\$30.00
Relative Density, ASTM D 4253 & D 4254, each	\$285.00
California Bearing Ratio (CBR), laboratory, each	\$325.00
Soil-Lime Relationship (Lime Series using PI and pH methods), each	\$650.00
Sample Preparation (if required), per hour	\$80.00

Additional Comments

- A three-hour (3) minimum charge is applicable to all trips made for the performance of testing, inspection, cancellations, or consulting services. A minimum charge of 2 hours will be assessed for trips to the project site for sample pick-up only.
- All labor, equipment, and transportation charges are billed on a portal-to-portal basis from our office.
- Overtime rates of 1.5 times the quoted hourly rate will be applicable for any and all hours worked in excess of eight (8) per day, outside of the hours of 6:00 AM to 6:00 PM Monday through Friday, and all hours worked on weekends and holidays.
- Court appearances, depositions, etc. will be charged at 1.5 times the quoted hourly rate.
- Unit fees for tests not listed can be quoted on request.
- Rush testing and inspection services will be charged at 1.5 times the quoted rate.
- Engineering consultation and evaluation in connection with any laboratory testing or field inspection service will be charged at the appropriate rate.
- Material samples should be submitted in a form that complies with applicable requirements.

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SCHEDULE OF SERVICES AND FEES

Concrete Laboratory Testing Services

Cylinder compression test (ASTM C 31 & C 39), 4"x8", each	\$18.00
Cylinder compression test (ASTM C 31 & C 39), 6"x12", each	\$22.00
Beam flexural test (ASTM C 293 or C 78), each	\$50.00

Masonry Laboratory Testing Services

Compressive strength CMU block (ASTM C 140), each	\$100.00
CMU block absorption only (ASTM C 140), each	\$75.00
CMU Block prism compressive strength (ASTM C 1314), each	\$250.00
Compressive strength of grout prism (ASTM C 1019), each	\$35.00
Compressive strength of mortar cube (ASTM C 780 & C 109), each	\$16.00

Soils Laboratory Tests

Classification

Atterberg limits (ASTM D 4318), each	\$55.00
Sieve analysis (ASTM C 136), each	\$75.00
Sieve analysis percent finer than #200 (ASTM C 117), each	\$45.00
Combined sieve analysis (ASTM C 136 and C 117)	\$105.00

Compaction

Optimum moisture / maximum dry density relations (proctors)

ASTM D698, each	\$170.00
ASTM D1557, each	\$200.00
Additional charge for Coarse Aggregate Correction (ASTM D4718)	\$25.00
TXDOT TEX 113E, each	\$220.00
TXDOT TEX 114E, each	\$180.00
Permeability (ASTM D 5084), each	\$350.00

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SCHEDULE OF SERVICES AND FEES

Soils Field Services

In place density / moisture test, nuclear method (ASTM D 2922/ASTM D 3017), minimum 3, each	\$18.00
Field gradation of lime treated soil, each	\$45.00
Depth check of lime treated soil, each	\$25.00
Soil pH value (TEX 128E) each	\$30.00

Asphaltic Concrete Services

Molding specimens (TEX 206F), set of 3	\$50.00
Bulk specific gravity of lab molded specimens, set of 3	\$50.00
Bulk specific gravity of core specimen (TEX 207F), each	\$50.00
Maximum theoretical density (ASTM D 2041 or TEX 227F), each	\$75.00
Hveem stability (ASTM D 1560 or TEX 208F), set of 3	\$90.00
Extraction and Sieve Analysis (ASTM D 2172 or TEX 210F), each	\$195.00
Asphalt coring, each	\$95.00
Asphalt core thickness & density, each	\$50.00

Remarks

Field technician time is not included in the testing rates stated above.

A three hour minimum charge is applicable to all trips made for the performance of testing, inspection, cancellations or consulting services. A minimum charge of 2 hours will be assessed for trips to the project site for sample or cylinder pick up only.

All labor, equipment, and transportation charges are billed on a portal to portal basis from our office.

Overtime rates of 1.5 times the quoted hourly rate will be applicable for all time worked in excess of eight (8) hours per day, all time worked outside of daylight hours of 6:00 AM to 6:00 PM Monday through Friday, and all time worked on weekends and holidays.

Unit fees for tests not listed will be quoted on request. Rush testing and inspection services are subject to a surcharge (to be negotiated).

Engineering consultation and evaluation in connection with any laboratory testing or field inspection service will be charged at the appropriate rate. Material samples should be submitted in a form that complies with applicable requirements.