

**CONTRACT AMENDMENT NO.   1**  
**TO**  
**WILLIAMSON COUNTY CONTRACT FOR**  
**ENGINEERING SERVICES**

This Contract Amendment No.   1   to Williamson County Contract for Engineering Services (“Amendment No.   1  ”) is by and between Williamson County, Texas, a political subdivision of the State of Texas, (the “County”) and **Balcones Geotechnical, LLC** (the “Engineer”).

**RECITALS**

**WHEREAS**, the County and the Engineer previously executed that certain Contract for Engineering Services (the “Contract”), being dated effective **January 8, 2019**, wherein Engineer agreed to perform certain professional engineering services in connection with the **Geotechnical Engineering Services – Justice Center Server Room 1811-279** (“Project”);

**WHEREAS**, it has become necessary to supplement, modify and amend the Contract in accordance with the provisions thereof.

**AGREEMENT**

**NOW, THEREFORE**, premises considered, the County and the Engineer agree that the Contract is supplemented, amended and modified as follows:

**I. Amendment to Exhibit   D   - Rate Schedule**

Pursuant to the CPI Rate Adjustments provisions set forth in the original Rate Schedule of the Contract, County and Engineer hereby agree the Rate Schedule attached hereto as Attachment 1 shall supplant and replace the current Rate Schedule and become effective as of the last party’s execution below.

**II. Terms of Contract Control and Extent of Amendment No. \_\_\_\_\_**

All other terms of the Contract and any prior amendments thereto which have not been specifically amended herein shall remain the same and shall continue in full force and effect.

III. IN WITNESS WHEREOF, the County and the Engineer have executed this Amendment No. 1, in duplicate, to be effective as of the date of the last party's execution below.

Engineer:

Balcones Geotechnical, LLC

By: John A. Wooley

Printed Name: John A. Wooley

Title: Principal

Date: March 12, 2019

COUNTY:

Williamson County, Texas

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

Printed Name: Bill Gravel, Jr.

Title: Williamson County Judge

Date: \_\_\_\_\_, 2019

## **Attachment 1**

Please see next page.



**FEE SCHEDULE FOR GEOTECHNICAL FIELD,  
LABORATORY AND ENGINEERING SERVICES**

**1. Field Investigation: Drilling and Pavement Testing**

1.1	Mobilization and demobilization, per mobilization and setup		
1.1.1	Drill truck, water truck, pickup, and crew.....	\$	4.25/ mile
1.1.2	All-terrain drill rig, pickup, and crew .....	\$	6.00/ mile
1.1.3	Setup and moving between boring locations.....	\$	150.00/each
1.2.	Specialty Drilling		
1.2.1	All-terrain vehicle with drill rig (additional charge) .....	\$	850.00/ day
1.2.2	Pavement Cores through HMA and Base.....	\$	400.00/ea
1.2.3	Pavement Cores through Concrete and Base.....	\$	550.00/ea
1.3.	Drilling and sampling, continuous to 10 ft and 5 ft intervals thereafter		
1.3.1	Drilling and sampling 0 to 50 ft.....	\$	22.00 /foot
1.3.2	Drilling and sampling 50 to 100 ft.....	\$	28.00/ foot
1.4.	Thin walled tube sample.....	\$	20.00/each
1.5.	Standard Penetration or TxDOT Cone Penetration Tests.....	\$	30.00/each
1.6.	Rock coring, NX or similar core barrel		
1.6.1	Drilling in soft rock .....	\$	32.50/ foot
1.6.2	Drilling in hard rock or vuggy rock.....	\$	35.00/ foot
1.7.	Wash or auger borings drilled and logged from cuttings:		
1.7.1	Soil .....	\$	14.00/ foot
1.7.2	Rock .....	\$	20.00/ foot
1.8.	Casing of boreholes .....	\$	15.00/ foot
1.9.	Hourly charges for boring layout, excessive time spent gaining access to boring locations, backfilling boreholes, cleaning up site, installing piezometers, and for other reasons beyond our control .....	\$	200.00/hour
1.10.	Rental of concrete core drilling equipment or equipment to gain site access, or traffic control devices .....	\$	Cost
1.11.	Materials for piezometers, grouting, etc.....	\$	Cost
1.12.	Surveying, Traffic Control or other outside contractors.....	\$	Cost
1.13.	Standby .....	\$	250.00/hour
1.14.	High-pressure steam cleaner .....	\$	400.00/ day
1.15.	OVA meter .....	\$	On Request
1.16.	55 Gallon Steel drums for drill cuttings .....	\$	85.00/each
1.17.	Plugging boreholes with bentonite chips .....	\$	9.00/foot
1.18.	Downhole Borehole Photography		
1.18.1	Mobilization .....	\$	1,250.00/ea
1.18.2	Downhole Camera Base Rate .....	\$	3,000.00/wk
1.18.3	Photography Operating Rate .....	\$	125.00/hr

**2. Laboratory Tests**

2.1.	Natural water content and soil classification .....	\$	15.00/each
2.2.	Plastic and liquid limits .....	\$	85.00/each



2.3.	Free swell test .....	\$	95.00/each
2.4.	Pressure swell test .....	\$	150.00/each
2.5.	Uniaxial pressure-strain test .....	\$	65.00/each
2.6.	Sieve analysis (No. 4, 40, and 200 sieves) .....	\$	85.00/each
2.7.	Percent material passing a single sieve .....	\$	45.00/each
2.8.	Minus No. 200 sieve .....	\$	45.00/each
2.9.	Hydrometer analysis .....	\$	200.00/each
2.10.	Unit dry weight determination and natural water content .....	\$	18.00/each
2.11.	Unconfined compression test, soil .....	\$	75.00/each
2.12.	Unconfined compression test, rock .....	\$	85.00/each
2.13.	Unconsolidated-undrained triaxial compression test .....	\$	95.00/each
2.14.	Standard Proctor (ASTM D-698) compaction test .....	\$	230.00/each
2.15.	Modified Proctor (ASTM D-1557) compaction test .....	\$	230.00/each
2.16.	Texas Triaxial (TxDOT TEX-117-E) .....	\$	1,800.00/each
2.17.	California Bearing Ratio (CBR) .....	\$	275.00/point
2.18.	Consolidation test, 7-load increments .....	\$	750.00/each
	Additional load increments .....	\$	100.00/each
2.19.	Permeability of silt or clay .....	\$	250.00/each
2.20.	Specific gravity .....	\$	50.00/each
2.21.	Volumetric shrinkage .....	\$	75.00/each
2.22.	Chemical and analytical testing by outside laboratory .....	\$	Cost

**3. Engineering and Technical Personnel**

3.1.	Senior Consultant/ Project Principal .....	\$	255.00/hour
3.2.	Senior Project Manager .....	\$	215.00/hour
3.3.	Project Manager .....	\$	185.00/hour
3.4.	Senior Geotechnical Engineer .....	\$	175.00/hour
3.5.	Registered Geologist .....	\$	165.00/hour
3.6.	Laboratory Manager .....	\$	95.00/hour
3.7.	System Specialist .....	\$	165.00/hour
3.8.	Senior Engineering Technician .....	\$	95.00/hour
3.9.	Technician and Draftsperson .....	\$	85.00/hour
3.10.	Admin. Assistant .....	\$	65.00/hour

**4. Report Reproduction and Miscellaneous**

4.1	Outside services, printing, reproduction, etc. ....	\$	Cost
4.2.	Outside technical assistance .....	\$	Cost
4.3.	Transportation .....	\$	Current IRS rate
4.4.	Pickup Truck .....	\$	75.00/day
4.5.	Per Diem for out of town, overnight lodging .....	\$	155.00/day

**Rates for other tests and services quoted on request**  
**January, 2018**