



## TRANSMITTAL

TO: County Judge Dan Gattis

DATE: 2/26/2014

FROM:  Robert B. Daigh, PE, Sr. Director of Infrastructure

RE: SAM Inc. - WA #4 - SGRR Phase 2, ROW Location/Recovery

Enclosed for your consideration and execution are two originals of partially executed Work Authorization #4 with Surveying and Mapping (SAM), Inc. for **\$34,692.00** for Surveying Services for the purpose of ROW location/recovery on **San Gabriel Ranch Road Phase II** (Lariat Cir., Chaparral Dr., Mustang Cir. & Corral Ln.), Liberty Hill, Williamson County, TX.

Original Contract Amount (PSA SAM 13)	\$300,000.00
Amount Authorized to Date (WA's 1-3)	\$115,714.00
Work Authorization No. 4	\$ 34,692.00
Total Dollars Encumbered to Date	<u>\$150,406.00</u>
Dollars Remaining for PSA SAM 13	\$149,594.00

After execution, please contact Karen Peters by phone (943-3362) or email ([kpeters@wilco.org](mailto:kpeters@wilco.org)) and she will make arrangements to pick up the executed documents. Please call if you have any questions. Thank you.

Department of Infrastructure  
3151 SE Inner Loop, Suite B  
Georgetown, TX 78626  
Telephone (515) 943-3330  
Fax (512) 943-3335

### Work Authorization No. 4

This Work Authorization is made pursuant to the terms and conditions of the Professional Services Agreement (the "Agreement") entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Surveying and Mapping, Inc. (the "Surveyor").

**Part 1.** The County will provide the services described in the attached "Exhibit A - Services to be Provided by County". The Surveyor will provide the professional services described in the attached "Exhibit B - Services to be Provided by Surveyor" (the "Services").

**Part 2.** The maximum amount payable for the Services under this Work Authorization without modification is \$ 34,692.00.

**Part 3.** Payment to the Surveyor for the Services established under this Work Authorization shall be made in accordance with the payment terms and conditions of the Agreement and at the approved rates set forth in Exhibit II of the Agreement.

**Part 4.** This Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on June 30, 2014, unless extended by a Supplemental Work Authorization. The Services shall be performed and completed in accordance with the attached exhibit C - Work Schedule.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

Part 6. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this 24<sup>th</sup> day of February, 2014.

SURVEYOR:  
Surveying and Mapping, Inc.

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

  
Signature

Robert J. Roy, R.P.L.S.

Printed Name

Principal/Senior Project Manager

Title

COUNTY:  
Williamson County, Texas

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

Signature

Dan Gattis

Printed Name

County Judge

Title

#### LIST OF EXHIBITS

- Exhibit A - Services to be Provided by County
- Exhibit B - Services to be Provided by Surveyor
- Exhibit C - Work Schedule
- Exhibit D - Fee Schedule

EXHIBIT A  
SERVICES TO BE PROVIDED BY COUNTY

The County shall:

- A. Provide the specification requirements for all surveys.
- B. Provide timely reviews and decisions necessary to enable the Surveyor to maintain an agreed upon project schedule as developed in attached Exhibit C.
- C. Designate a project manager to serve at the County's point of contact with the Surveyor.
- D. Provide plastic or aluminum caps stamped "Williamson County" for iron rods, if applicable.
- E. Provide brass caps for flush amount ROW markers, if applicable.
- F. The Horizontal datum, as provided by Williamson County for this project, will be NAD83 (2011) Epoch 2010, and will be projected to Texas State Plane Coordinate System, Central Zone using a combined scale factor of 0.99985472.
- G. The Vertical Datum, as provided by Williamson County for this project, will be based on the orthometric height, (GEOID 03), using GPS vectors from point GPS-40, a subterranean concrete monument with a 3-1/4 inch diameter aluminum cap flush with the natural ground surface located on the northerly right-of-way of Remuda Drive, approximately 200 feet west of the intersection with Lariat Circle, Liberty Hill, Texas, and stamped "Williamson County GPS Monument" "GPS-40" "2007-40" Elevation: 902.36.
- H. Primary Control Points provided by Williamson County will be recovered and held for this effort.
- I. Williamson County will coordinate right of entry with the Property Owners prior to SAM, Inc. entering upon private property.

**EXHIBIT B**  
**SERVICES TO BE PROVIDED BY**  
**THE SURVEYOR**

**PROJECT OVERVIEW**

Surveying And Mapping, Inc. (SAM, Inc.) proposes to provide surveying services to Williamson County for the purpose of recovering the location of the fifty (50) foot wide right-of-way of Lariat Circle, Corral Lane, Chaparral Drive, and Mustang Circle and all being in the San Gabriel Ranch Subdivision situated in Liberty Hill, Williamson County, Texas.

**ASSUMPTIONS**

This scope of services and associated fees has been prepared considering the following assumptions. If any of these assumptions change, additional scope and budget may be required. In which case, SAM, Inc. would immediately contact the County for further instructions.

- The Horizontal datum, as provided by Williamson County for this project, will be NAD83 (2011) Epoch 2010, and will be projected to Texas State Plane Coordinate System, Central Zone using a combined scale factor of 0.99985472.
- The Vertical Datum, as provided by Williamson County for this project, will be based on the orthometric height, (GEOID 03), using GPS vectors from point GPS-40, a subterranean concrete monument with a 3-1/4 inch diameter aluminum cap flush with the natural ground surface on the northerly right-of-way of Remuda Drive, approximately 200 feet west of the intersection with Lariat Circle, Liberty Hill, Texas, and stamped "Williamson County GPS Monument" "GPS-40" "2007-40" Elevation: 902.36.
- All horizontal and vertical coordinate values and other measurements will be represented in US Survey Feet.
- Primary Control Points provided by Williamson County will be recovered and held for this effort.
- Weather and environmental conditions will be conducive to survey schedule.
- Williamson County will coordinate and provide written notice of right of entry with the Property Owners prior to SAM, Inc. entering upon private property.
- Williamson County will obtain right of entry prior to SAM, Inc. locating rear property corners, which will reduce the number of mobilizations and keep costs within the budget shown herein.

**SCOPE OF SERVICES**

The following services will be provided by SAM, Inc. for this project:

- SAM, Inc. will recover primary control points provided by Williamson County and set secondary control points as needed.
- SAM, Inc. will attempt to recover sufficient property monumentation to establish the parent tract boundaries for approximately 77 lots adjacent to Lariat Circle, Corral Lane, Chaparral Drive, and Mustang Circle in order to construct the existing right-of-way.
- SAM, Inc. will analyze the recorded roadway easements as dedicated by the San Gabriel Ranch Subdivision to establish the location of the existing right-of-way based on found monumentation.
- SAM, Inc. will set lathes and flagging to clearly indicate to Williamson County where the existing right-of-way location is on the ground.

## EXHIBIT C

### WORK SCHEDULE

Work schedules will be developed prior to NTP and submitted to the County in the form of a memorandum of understanding. Should the schedule be acceptable, a written Notice to Proceed will be delivered to Surveyor.

Anticipated NTP:

Anticipated Field Start:

Anticipated Delivery on or before:

Anticipated Delivery of Easements (if needed)

### **DELIVERABLES**

The following deliverables will be provided to the Client:

- ASCII point list and associated metadata for the surveyed data.
- Copies of field books and sketches produced in the field.
- 2D Digital Exhibit in AutoCAD Civil 3D format.

## EXHIBIT D

### FEE SCHEDULE

#### **FEE**

1. Fee schedule is per **Exhibit II (Hourly Rates)** of the Contract for As-Needed surveying and SUE work on file with County (Agenda Item #31, January 15, 2013).
2. SAM, Inc. proposes to provide the services outlined above on a **TIME AND MATERIALS BASIS** per the contract rate schedule for an estimated fee of \$ **34,692.00**

#### **ADDITIONAL SERVICES**

In addition to the services described herein, SAM, Inc. can provide the additional services listed below as requested in writing by the Client. These services will be performed as a derivative of the data already collected for the purposes of this project. No additional field data collection will be necessary. **These will be performed on a time and materials basis per the contract rate schedule:**

- Design Survey services.
- Staking or location of boreholes.
- Obtaining permission to access private properties.
- Staking/brushing of the proposed easement lines.
- Construction Staking.
- Surveying to confirm and determine the extent of and to assist the client in resolution of any boundary conflict or discrepancy found during the survey.
- Obtaining affidavits from the owner, adjoiner owner or past owners for information critical to determining the boundary locations.
- Research of utility records. Compilation/ Location of underground utilities either from record information or physical location (Subsurface Utility Engineering).
- Title research by SAM, Inc. into easements or other matter of record affecting the parent tract of the proposed easement.
- Additional boundary field survey and analysis of the parent and/or adjoining tracts necessary to re-establish the subject boundary corners due to a lack of physical monumentation.
- Any additional services not specifically scoped herein.