



Halliburton Surveying & Mapping, Inc.

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Huntsville, AL 35801

July 28, 2026

Attention: Ms. Michelle Dunson, P.E.
City of Madison Engineering
100 Hughes Road
Madison, AL 35758

Reference: Sullivan St. & Mill Rd. Private Utility Locate & GPR
Madison, AL

Ms. Dunson:

As requested, please find the enclosed proposal for professional services associated with a Private Utility Locate/Ground Penetrating Radar (GPR) of an AT&T Duct Bank.

Feel free to contact me should you have any questions and/or comments. Thank you again for the opportunity and I look forward to hearing back from you.

Best regards,

Halliburton Surveying & Mapping, Inc.

William R. Blackwell, PLS

Senior Project Manager

ATTACHMENT A

SCOPE OF SERVICES

TASK 1- PRIVATE UTILITY LOCATE /GROUND PENETRATING RADAR (GPR)

1. Surveyor will provide Private Utility Locate/Ground Penetrating Radar for the survey area outlined in yellow as shown on Attachment D hereof. Specifically, surveyor is to attempt to locate the extents/width and depth of the AT&T Duct Bank. Surveyor will utilize GPR and a multi frequency cable and pipe locator will identify the presence of the utilities on the property. Once the underground utilities lines are identified, then they will be marked directly on the surface with marking paint. Surveyor will then locate each mark and add it to the survey.
2. Client understands that the survey does not guarantee the correct location of any utilities or location of all utilities. The only way to guarantee the physical location of any utility is to expose the utility by excavation. No optional scopes herein include the excavation of any utilities. Survey will provide technicians and technology, such as Ground Penetrating Radar (GPR), a non-radiation technology designed specifically for this purpose and a multi frequency cable and pipe locator. Surveyor will employ a GPR unit consisting of a dual frequency antenna. Surveyor will also employ a Leica DD Smart multi frequency pipe and cable locator manufactured by Leica Geosystems. Individuals being provided are experienced technicians, have previous experience in performing similar tasks and are NULCA certified.
3. Survey information shall be placed on the Alabama East Zone State Plane Coordinate System (NAD 83) and the North American Vertical Datum of 1988 (NAVD 88) using the latest Geoid.
4. Surveyor shall locate the markings and depths.
5. Deliverables shall include a digital file (pdf) exhibit sketch and a CAD file of the located markings and depths.

GENERAL ASSUMPTIONS AND REQUIREMENTS:

- Client shall provide site access as required to perform the work as requested within the scope of this project and that Surveyor may enter into the subject properties as well as the adjoining properties without further notice if this agreement is executed.

SCHEDULE:

1. Surveyor is expected to begin work within approximately one to two (1-2) weeks upon receipt of this executed agreement and/or written authorization of Notice to Proceed (NTP). For planning purposes, Surveyor has prepared the following milestone estimated schedule.
 - a. Exhibit Sketch
 - i. Issue FINAL Exhibit Sketch prior to September 1, 2026.
2. Schedule is subject to possible delays not controllable by the Surveyor, such as, but not limited to, delays by inclement weather, arrangement of proper onsite access, COVID-19 or other pandemics, and receipt of the Title Commitment and supporting documentation, etc.

EXCLUSIONS:

The following items are not included in the Scope of Services:

- Signing any client or 3rd party contract agreements.
- Application/Submission and Recording Fees
- Any coordination efforts to obtain owner and/or mortgage holder signatures, the Title Opinion from Clients attorney, platting meetings, including, but not limited to, attending meetings, conference calls, teams or similar meetings, mailing plat to owner(s) or lender, etc.
- Postage/Mailing Fees for Signatures (if required)
- Bond Plat (if required)
- Subdivision Platting
- Private Utility Locate/Ground Penetrating Radar
- ALTA/NSPS Land Title Survey
- Boundary Survey
- Topographic Survey
- Submittal/Approval of LOMR/LOMR-F to FEMA and other regulatory agencies. It is the surveyors understanding the client or the client's engineer will submit formal letters/applications, etc. and be responsible for all correspondence to FEMA and/or the local Municipality's CFM.
- R.O.W., Easement Vacation request.
- Rezoning, variance or other matters not specifically mentioned herein above.
- If a potential overlap, gap or gore is discovered upon the performance of the survey, the surveyor reserves the right to stop work until the issue(s) gets resolved. Any requested work performed to resolve these potential issues is considered additional services.
- Creation of a new legal description(s) and/or associated exhibits.
- Depth of underground utilities with the exception of Sanitary Sewer Manholes, Storm Sewer Manholes and Storm Pipes.
- Construction Layout/Staking
- Any activities not associated within the Scope of Services as defined herein above.

ATTACHMENT B

FEE SCHEDULE

Client shall compensate Surveyor for services rendered in accordance with the following options:

FIXED FEE

TASK 1: PRIVATE UTILITY LOCATE /GROUND PENETRATING RADAR (GPR)
- LUMP SUM - \$3,900.00

HOURLY RATES AND MATERIALS:

Client shall compensate Surveyor for services rendered in accordance with the following hourly rates for any additional services requested in writing:

Any services requested in additional to the Scope defined hereinabove shall be subject to an Hourly Fee Schedule and reimbursable expenses. Our 2026 standard rates are defined as follows:

<i>Principal Land Surveyor</i>	<i>\$275 / hour</i>
<i>Senior Project Manager</i>	<i>\$225 / hour</i>
<i>Project Manager</i>	<i>\$175 / hour</i>
<i>Project Land Surveyor</i>	<i>\$155 / hour</i>
<i>Assistant Project Manager.....</i>	<i>\$150 / hour</i>
<i>Land Surveyor-in-Training (LSIT).....</i>	<i>\$135 / hour</i>
<i>Survey CAD Technician.....</i>	<i>\$115 / hour</i>
<i>Drone & Laser Scanning Software Processor....</i>	<i>\$170 / hour</i>
<i>Cost Accountant.....</i>	<i>\$115 / hour</i>
<i>Intern/Co-op</i>	<i>\$80 / hour</i>
<i>Administrative or Courier</i>	<i>\$75 / hour</i>
<i>*1-Man Field Survey Crew</i>	<i>\$175 / hour</i>
<i>*2-Man Field Survey Crew.....</i>	<i>\$225 / hour</i>
<i>*3-Man Field Survey Crew.....</i>	<i>\$260 / hour</i>
<i>Private Utility Locating.....</i>	<i>\$1,160 / half day (minimum)</i>
<i>Survey-grade aerial LiDAR sensor.....</i>	<i>\$3,800 / half day (minimum)</i>
<i>**Terrestrial Laser Scanning</i>	<i>\$1,560/ half day (minimum)</i>
<i>***1 arc second accuracy total station.....</i>	<i>\$28 / hour</i>
<i>****Multi-Constellation GPS Base & Rover....</i>	<i>\$29 / hour</i>
<i>Mileage.....</i>	<i>Per Current Government Mileage Rate</i>
<i>Printing Black & White (11" x 17").....</i>	<i>\$1.00 / sheet</i>
<i>Printing Black & White (18" x 24").....</i>	<i>\$2.60 / sheet</i>
<i>Printing Black & White (24" x 36").....</i>	<i>\$4.40 / sheet</i>
<i>Printing Black & White (30" x 42").....</i>	<i>\$5.80 / sheet</i>
<i>Wooden Survey Stakes.....</i>	<i>\$1.30 / stake</i>
<i>Survey Hubs/Mag Hub Nails.....</i>	<i>\$0.60 / hub/nail</i>
<i>1/2 inch x 18 inch rebar.....</i>	<i>\$3.50 / rebar</i>
<i>Paint Can.....</i>	<i>\$10.00/ can</i>
<i>Survey Flagging.....</i>	<i>\$8.00 / roll</i>

Survey Control Caps..... \$0.85 / cap
Mag or Masonry Nails..... \$0.40 / nail
Tacks..... \$0.20 / tack
Markers..... \$3.00 / marker

**Standard field crews are equipped with a truck, total station, auto-level and network GPS technologies.*

***Terrestrial Laser Scanning hardware collects up to 2,000,000 points per second.*

****Utilization of a 1" accuracy total station is an additional fee to any labor category*

*****Utilization of a multi-constellation GPS base/rover is an additional fee to any labor category*

Note: Additional project reimbursable expenditures will be cost of item + 20%.

Note: Any services provided after December 31, 2026 are subject to a 4% yearly escalation.

Payments made by credit card will incur a 3% service fee.

Exhibit for GPR



AT&T
manhole