

BENCHMARK ENGINEERING & SURVEYING, LLC

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May 29, 2025

Re: Proposal for Surveying Services at Camden Community Center – Camden, MS

Thank you for selecting Benchmark Engineering and Surveying as a professional services provider for JH&H Architects.

Benchmark proposes to provide a topographic survey meeting and following:

1. Locate all site improvements within the survey limits
2. Locate natural & man-made drainage feature, sanitary sewer systems, swales, inlets, headwalls, manholes, and associated pipe with size and flowline elevations
3. collect elevation cross-sections & spot elevations
4. Locate all terms as indicated on JH&H topographical survey requirements.

Benchmark will coordinate locating any/all underground utilities marked by Mississippi 811 or a third-party utility locator service. Any third party utility locating service will have to be coordinated/contracted separately from this proposal;

Topographic Survey - compensation for the aforementioned Scope of Services is proposed to be \$7,500.

Benchmark can commence work on this project within 15 working days of receipt of your approval of this proposal. The completed survey is estimated to be delivered 30 business days after commencement of work.

Certificate of insurance, licensure and/or other administrative documents will be provided upon request.

Signed By: 

Benchmark Engineering & Surveying, LLC

Signed By: _____

JH&H Architects



TOPOGRAPHICAL SURVEY REQUIREMENTS

DRAWING REQUIREMENTS

- Drawing shall note all dimensions and elevations in engineering notation.
- Show North arrow and if dimensions permit, orient North to top of sheet, otherwise orient as directed by Architect.
- State elevation datum on each sheet. Use national vertical geodetic datum or official town datum when authorized. Establish permanent benchmark on or adjacent to site.
- Survey shall be properly certified, dated, signed and sealed by the registered civil engineer or registered land surveyor as appropriate for the state involved.
- Provide on the survey drawing a legal description of the property, which conforms to record title boundaries. Reconcile or explain any discrepancies between survey and record title boundaries.
- Furnish to the Architect on a reproducible media and three prints of each drawing. Provide a full size PDF copy of the print and an electronic file compatible with Revit or AutoCAD (see format requirements).

Note: When electronic automatic contouring is used, all contours shall be checked and corrected to accurately represent the actual conditions.

SURVEY SHALL INDICATE

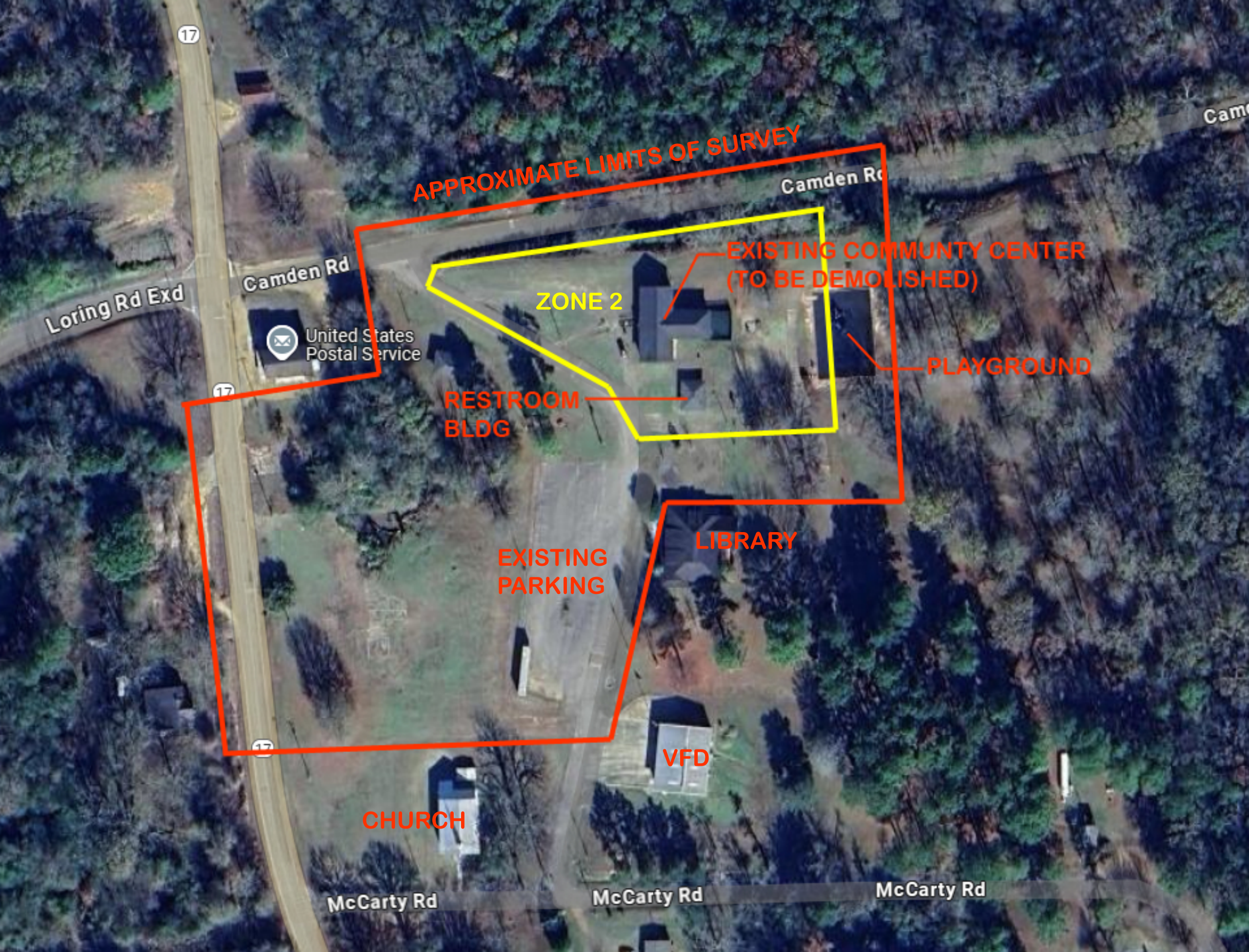
- Length and bearing of boundary lines; interior angles; point of tangency and length of curved lines. Where no monument exists, set iron pin or other suitable permanent monument at property corners.
- Give area of site in square feet if less than one acre, in acres (to .001 acre) if more than one acre.
- Dimensions and locations of buildings, structures, (above and below grade) easements, right of way or encroachments on the site; all manmade and natural features, elevations of all floor levels and at each entrance to buildings. Building set back restrictions side front and back. Provide zoning classification as recorded in jurisdiction having authority.
- Details of party walls or walls and foundations adjacent to property lines.
- Spot elevations at each intersection of a 10-foot square grid covering the site (Zone 2) and 20-foot square grid in remain portion inside the survey limits.
- Contours at six-inch in Zone A and one-foot intervals in remaining portion of the survey limits.
- The limits of the survey generally shall extend one grid spacing beyond the project site. Where established roadways are adjacent to the site, survey is to include roadway and drainage on each side. All drainage ditches and culverts adjacent to the project site whose

course and elevation affect the development of the site drainage system shall be included in the survey.

- Spot elevations at street intersections and at one-foot intervals on curbs; sidewalks and edges of paving, including far side of paving.
- The location, dimensions and elevations of all cellars, excavation, wells, back filled areas and similar existing openings and the mean elevation of any water in them.
- Flood plain and flood level of streams or adjacent bodies of water and analysis of site for potential flooding.
- Extent of watershed onto the site.
- All trees with an 8" caliper or larger with species and caliper size; perimeter outline only of thickly wooded areas, unless otherwise instructed.
- Location, size, depth and pressure of water and gas mains, central steam and other utilities, including buried, tanks and septic fields serving or on the property. Contact local providers for marking of underground utilities prior to surveying.
- Locations of fire hydrants available to property and size of main serving each.
- Location and characteristics of power and communication systems, above and below grade.
- Location, size depth and direction of flow of sanitary sewers, combinations sewers, storm drains and culverts serving, or on the property; location of catch basins and manholes, and elevations of top and pipe inverts at each.
- Names of the operating authority of each utility. Review items found and as built records with each utility and the city or county having jurisdiction to verify all services on the site are located properly.
- Contemplated date and description of any proposed improvements to approaches or utilities adjacent to the site.

ELECTRONIC DRAWING FORMAT

- Files are to be useable in Revit or AutoCad without any additional software. If your system created proprietary objects, convert them to a type useable by Revit or Autocad. Also supply the plot style file (.ctb) that will give the desired plotted output.
- All grade lines are to be polylines or lines with reasonably long line segments (no smoothed polylines please).
- All related objects are to be grouped on separate layers. For example, each of the following should be on a separate layer: building lines, property lines, trees, major grades, minor grades, water lines, power lines, sewer lines, sidewalks, hatch patterns, fences, spot elevations, etc.
- All objects are to be drawn with their color and line-type set by layer.
- Include with drawing any special shape files used by your software that are not standard AutoCAD shape files (*.SHX)



APPROXIMATE LIMITS OF SURVEY

Camden Rd

EXISTING COMMUNITY CENTER
(TO BE DEMOLISHED)

PLAYGROUND

ZONE 2

RESTROOM
BLDG

LIBRARY

EXISTING
PARKING

VFD

CHURCH

Loring Rd Exd

Camden Rd

United States
Postal Service

McCarty Rd

McCarty Rd

McCarty Rd

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