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**South Middle School HVAC Renovation**  
Henderson, KY (RTA 24039-130)

Qk4 is pleased to be given the opportunity to respond to this Request for Proposal for surveying services for the above-referenced project. The following items are included in the scope of work:

**TOPOGRAPHIC SURVEY**

Qk4 surveyors will prepare a partial topographic survey of **South Middle School HVAC Renovation Project** located at 800 S Alves St., Henderson, KY. See sketch of the sites located on the last page of the proposal for site limits including visible improvements such as pavement, sidewalks, playground, fence, trails, poles and signs. Individual Trees 4" or larger will be picked up in open areas, and the outline of wooded areas will be shown. Contours will be rendered at 1-foot intervals and spot elevations will be based on data generated from conventional ground survey, photogrammetric mapping utilizing survey mapping drones operated by a Certified Remote Pilot. Other controlling elevations, invert elevations, critical spot elevations, etc., where a higher level of accuracy is required will be obtained by conventional survey methods. We will set at least three benchmarks on site tied to horizontal and vertical controls.

Please see RFP dated, 12/04/24 and labeled RTA 24039-130 for detailed scope narratives and project details. The following are clarifications:

- Survey Area: See attached limits.
- Survey per Kentucky Standards of Practice 201 KAR 18:150
  - Not a Boundary Survey, a survey will reference current deed of record and note any discrepancies.
- Utilities:
  - Additional utility information for Water/Gas/Communication/Electric (i.e. material/size/depth) will be based on plans provided by the utility company and site representative, QK4 will not excavate to verify said information.
  - QK4 will place a KY811 Utility Locate Request and locate the lines as marked and compare with plans provided by the local utility company.
  - Third Party Utility Locator: See below scope.
    - Mark out of the designated base site using electromagnetic locating equipment.
    - May not be able to locate sewers depending on size and access.
    - If utilities are non-metallic and tracer wires/tape are not installed, all efforts will be made to locate these items but results cannot be guaranteed.

**GENERAL SURVEY CONSIDERATIONS:**

- Survey equipment to complete this survey will include GNSS Multi-Channel GPS receivers, Robotic total stations, Digital levels (if needed), UAS mapping drones, and 3D Laser Scanning (if needed).
- Survey will be tied to Kentucky State Plane Coordinates, NAD 83 KY Single Zone, US Survey Feet Horizontal Datum and NAVD 88 Vertical Datum.
- Deliverables will be in:
  - AutoCAD DWG and PDF file formats
  - DTM will be in TIN / XML / DWG file formats
- Client to provide historical surveys & plans of the subject property.

**Schedule of Hourly Rates for Surveying Services:**

- 2-Man Survey Crew \$185.00/hr.
- 1-Man Survey Crew \$105.00/hr.
- CADD Operator \$80.00/hr.
- Professional Land Surveyor (PLS) \$125.00/hr.
- Mileage (included in rates above) \$0.60/mile
- Per Diem / Lodging (at cost)(Included in rates above)

**FEE SUMMARY**

Compensation for the Topographic Survey services, as described shall be a lump sum fee of:

<b>Fee Estimate Area A:</b>	
Topographic Survey	\$ 15,490
3 <sup>rd</sup> Party Utility Locate:	\$ 1,260
<b>Total:</b>	<b>\$ 16,750</b>
<b>Fee Estimate Area B:</b>	
Topographic Survey	\$ 8,460
3 <sup>rd</sup> Party Utility Locate:	\$ 1,000
<b>Total:</b>	<b>\$ 9,460</b>
<b>Fee Estimate Area A &amp; B:</b>	
Topographic Survey	\$ 19,050
3 <sup>rd</sup> Party Utility Locate:	\$ 2,100
<b>Total:</b>	<b>\$ 21,150</b>

Schedule: Area A 4-5 Weeks after Notice to Proceed. Area A and B to be completed at the same time 5 - 6 weeks from a NTP. Area B added to completed Area A Survey within 6 months 3-4 weeks after NTP.

Please do not hesitate to contact me if I can provide any additional information or clarifications.

Sincerely,

Client:



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Signature of Responsible Party (client)

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Printed name and title

\_\_\_\_\_  
Date