



Surveying & GIS  
Services Provider

May 14, 2013

Mr. Charlie Thomas, PE  
City of Norman Utilities Department  
201 West Gray, Building C  
Norman, OK 73069

Re: **Sewer Maintenance Plan – FYE 2013**  
**Norman, Oklahoma**

Dear Mr. Thomas,

Thank you for requesting a proposal on the referenced project from Lemke Land Surveying under the current agreement for on-call City-wide surveying services. The terms and conditions of Contact K-0910-55 remain in effect.

**Project Scope:**

- Base Survey includes 255+/- sanitary sewer manholes
- The survey(s) will include:
  - Manhole location / coordinates
  - Rim elevation
  - Invert / flowline elevation (depth of manhole)
  - Pipe diameter sizes (from video inspections)
- Prepare report / exhibit / deliverables
  - Annotate a City GIS Map of the project area with:
    - Depth of each manhole
    - Length of pipe between manholes
    - Slope of pipe between manholes
    - Diameter of pipes (from video inspections)
  - Prepare profiles, based on city contour information, of those lines planning to be up-sized and/or replaced by open-trench method.

**Total Cost Estimate: \$69,415.00**

Thanks again for this opportunity and should you have any questions, comments, or change in scope, please feel free to give me a call.

Respectfully,

Kelly J. Henderson, PLS, CFedS  
Senior Project Manager