

January 22, 2016

City of Norman Utilities Department  
**Attn:** Mr. Charlie Thomas  
201-C West Gray  
Norman, Oklahoma 73070

**Re:** Crossroads Waterline Project

Dear Mr. Thomas:

This will serve as a proposal for the referenced projects from Cardinal Engineering, L.L.C. under the current agreement for On-call Engineering services. The terms and conditions of Contract K-0910-62 remain in effect.

**Project #1**

The new waterline, approximately 14,000 feet, is to be constructed in the Crossroads subdivision and is bound by 36<sup>th</sup> Avenue NW on the west, Cross Roads Boulevard on the north, N. Interstate Drive on the East, and N. Robinson Street on the south.

Cardinal will provide surveying and civil engineering design services for the water main. The survey will cover ROW to ROW along the water main. Along with the topographic and utility data, Cardinal will determine and show the location of the existing parcel lines and easements, along with ownership information. Our engineering proposal includes construction administration, but excludes on-site construction inspection. The fee for the designated services will be \$107,000.

**Project #2**

The new waterline, approximately 2,000 feet, is to be constructed along the west side of 24<sup>th</sup> Avenue heading north from Boardwalk.

Cardinal will provide surveying and civil engineering design services for the water main. The survey will cover ROW to ROW along the water main. Along with the topographic and utility data, Cardinal will determine and show the location of the existing parcel lines and easements, along with ownership information. Our engineering proposal includes construction administration, but excludes on-site construction inspection. The fee for the designated services will be \$19,500.

Combined total for both **Project #1** and **Project #2** = **\$126,500**

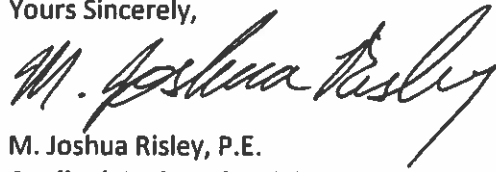
Re:

(1)

Page 2 of 2

Cardinal will begin work immediately upon receipt of your notice to proceed. Please contact me at this office if you have any questions or if I may be of assistance.

Yours Sincerely,



M. Joshua Risley, P.E.

Cardinal Engineering, L.L.C.

cc: file  
Bill Swain