July 10, 2015

Maidencreek Township
1 Quarry Road
Maidencreek, PA 19510

Attn: Diane Hollenbach
Township Manager

Re: Geographic Information System (GIS) Proposal

Dear Diane:

Pursuant to your request to create a GIS system for the Township, Systems Design Engineering, Inc. is pleased to provide the following proposal for your consideration. The proposal is based on utilizing a budget of $25,000 per fiscal year to build a GIS mapping system for the Township. Systems Design will utilize the base model created by the Maidencreek Township Authority to build and populate the items needed by the Township in the initial phase.

Items to be surveyed, photographed and populated into the database are as follows:

- Stormwater inlets and discharge points, detention areas and control devices
- Street signs and signals
- Street lights
- Basic road photographs at regular intervals

Each item will be located by GPS survey equipment, photographed and entered into the database. Additionally, all relevant drawings pertaining to the developments will be scanned and entered into the database with hyperlink access. These drawings will either be drawings that are in possession of SDE or provided to us by the Township. In addition SDE will enter into the database relevant information to describe the item of interest. This information can be developed further with the Township's input.

We have estimated the project as follows:

Year 1 - $25,000

- Esri ArcView Basic software ($1,400, to be purchased by the Township)
- Esri ArcView 1 year subscription ($400, to be purchased by the Township)
- Laptop computer ($1,500, to be purchased by the Township)
- Desktop computer and monitor ($1,500, to be purchased by the Township)
- SDE survey, data collection and GIS database ($20,200)
- Year 1 area will be the area North of Route 73 and East of Route 222.

Year 2 - $25,000

- Esri ArcView 1 year subscription ($400, to be purchased by the Township)
- SDE survey, data collection and GIS database ($24,600)
- Year 2 area will be the area South of Route 73 and East of Maidencreek Road.

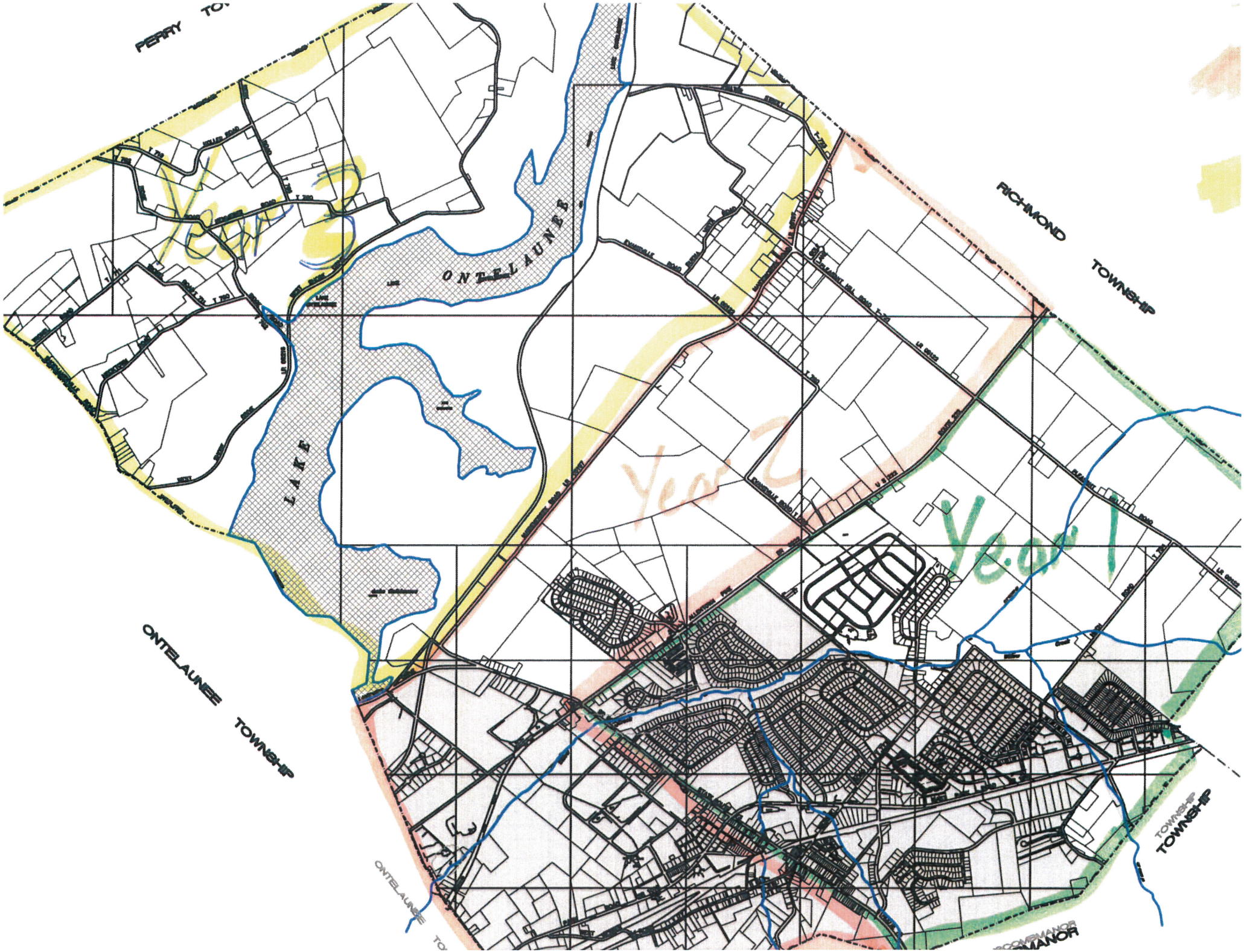
Year 3 –Not to exceed $25,000

- Esri ArcView 1 year subscription ($400, to be purchased by the Township)
- SDE survey, data collection and GIS database (NTE $24,600)
- Year 3 area will be the area West of Maidencreek Road and update previous areas or new infrastructure installed during Years 1 & 2.

Please contact the undersigned if you have any questions on this proposal. Systems Design Engineering is available to discuss this with the Board of Supervisors and provide a presentation of the Authority's work to date if they would like.

Respectfully Submitted
Systems Design Engineering, Inc.

Gregory T. Unger, P.E.
President


PERRY TO
RICHMOND TOWNSHIP
LAKE ONTELAUNEE
ONTELAUNEE TOWNSHIP
TOWNSHIP
Year 2
Year 1