

January 10, 2019

Mr. Thomas J. Lundeen, P.E., Village Engineer  
Village of Wellington  
12300 Forest Hill Blvd.  
Wellington, Florida 33414  
(via E-mail: [tlundeen@wellingtonfl.gov](mailto:tlundeen@wellingtonfl.gov))

**Re: Professional Surveying Services  
Topographic Survey of Big Blue Trace from South Shore Blvd to  
Wellington Trace  
Wellington, FL  
Engenuity Group Project No. 99090.188**

Dear Mr. Lundeen:

Engenuity Group, Inc. is pleased to present you with this proposal to provide surveying services for the subject project. Engenuity Group, Inc. will prepare a Topographic Survey pursuant to 5J-17.050(10)(k), Florida Administrative Code, of Big Blue Trace from South Shore Boulevard to Wellington Trace.

The survey will be from the west edge of pavement of Big Blue Trace to the east right-of-way line of Big Blue Trace with cross sections taken every 100 feet over the approximately 7,900 linear feet that the project encompasses. Additionally, one (1) canal cross section of the Acme Improvement District Canal C-15 will be included. A digital terrain model (**DTM**) is included in the services and will be delivered with the final survey.

See the attached scope of services sheet for a detailed list of what is included in the survey. Underground utility markings and locations are not included as part of the scope for this project.

**Total Fee: \$34,190.00**

The final deliverable will be 4 copies of the signed and sealed Topographic Survey along with the accompanying digital basemap in AutoCAD. The final deliverables will be provided within thirty (30) days of receiving authorization to proceed. In the event of rain delaying our field work, the delivery time will be pushed the same number of days.

This proposal and our August 14, 2017 Agreement represent the entire understanding between you and us with respect to the Project. If this satisfactorily sets forth your understanding of our scope of services, we would appreciate you providing written authorization to proceed.

Sincerely,

A handwritten signature in blue ink, appearing to read "J Malin".

Jennifer C. Malin, P.S.M.  
Director of Survey

Approved by,

A handwritten signature in blue ink, appearing to read "C. Andre Rayman".

C. Andre Rayman, P.S.M.  
President

**DESIGNATED SCOPE OF SERVICES: TOPOGRAPHIC SURVEY**  
**NAME: Big Blue Trace from South Shore Blvd to Wellington Trace**  
**ENGENUITY PROJECT NO. 99090.188 DATE: 1/10/2019**

<b>Topographic Survey</b>	<b>Included in Contract (Yes/No)</b>
Minimum of two permanent benchmarks on site; description and elevation to nearest .01'.	Yes
Contours at ____ foot intervals; error shall not exceed one half contour interval.	No
Spot elevation at each intersection of a 100 foot square grid covering the property.	Yes
Spot elevations at street intersection and at 50 feet on center curb, sidewalk and edge of paving including far side of paving.	Yes
Plotted location of structures, man-made (e.g., paved areas) and natural features.	Yes
Location, size, and other utilities including, but not limited to, buried tanks and septic fields serving, or on, the property based on as-built information supplied by utility companies.	No
Location of fire hydrants available to the property.	Yes
Location and characteristics of power and communications systems above grade.	Yes
Location, size, depth and direction of flow of sanitary sewers, storm drains and culverts serving, or on, the property; location of catch basins and manholes, and inverts of pipe at each.	Yes
Name of the operating authority of each utility.	No
Elevation of water in any excavation, well or nearby body of water.	No
Extent of watershed onto the property.	No
Trees of 6" and over (caliper 3' above ground); locate within 1' tolerance and give species in English or botanical terms.	Yes
Specimen trees flagged by the Owner or the Architect (____ in number); locate to the center within 1' tolerance; give species in English or botanical terms, give caliper and ground elevation on upper slope side.	No
Perimeter outline only of thickly wooded areas unless otherwise directed.	Yes
Confirm soil boring location(s).	No
Other (specify): 1. <b>Datum for locations to be in National Geodetic Vertical Datum 1929 (N.G.V.D. 29)</b> 2. <b>One canal cross sections is included</b> 3. <b>Underground utility markings and locations are not included</b>	