ASCE Meeting Date: 11/16/16

Officer Reports:

- Officer Elections - Next meeting

Guest Speaker: Paul Michels

- Paul Michels and Sons, Inc

3D Construction Modeling and layout

- Basic concrete and pipe work
- Earthwork
- Utilities
- Concrete
- Asphalt

PC based CAD

- Starts with PDF take off
- CAD must be used for site work

Why do we Need Models?

- Trimble Business Center - HCE
- Import a CAD file into it
- Standardize data
- Elevate lines
- Build surfaces
- Cut/fill
- Layout
- GPS Rover
- Soils
- Machinery controls - only as good as model
- Future of construction modeling - Trimble