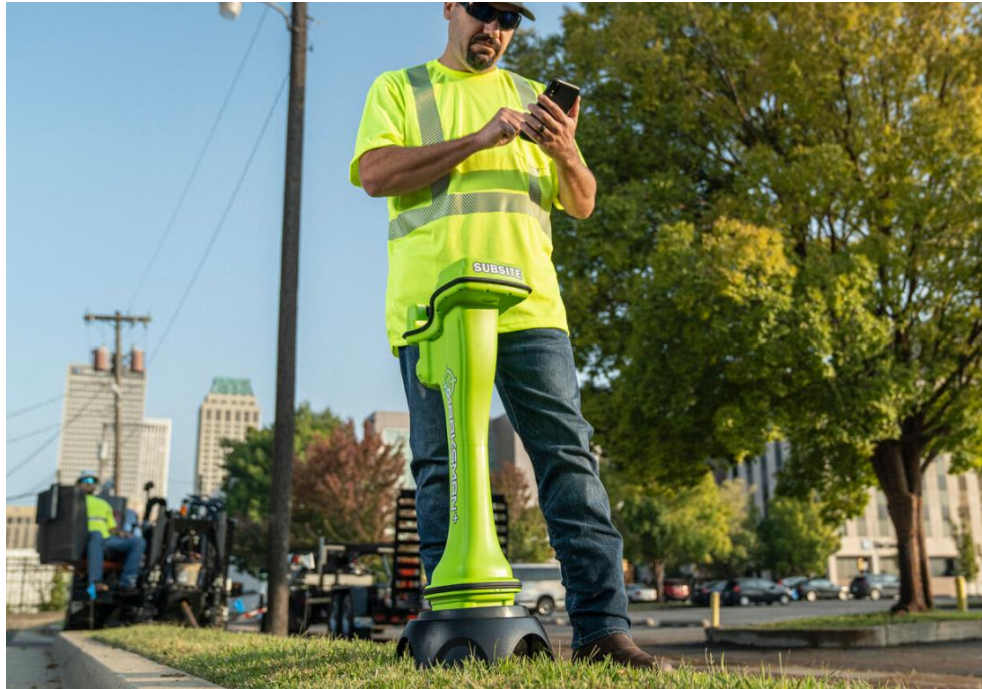




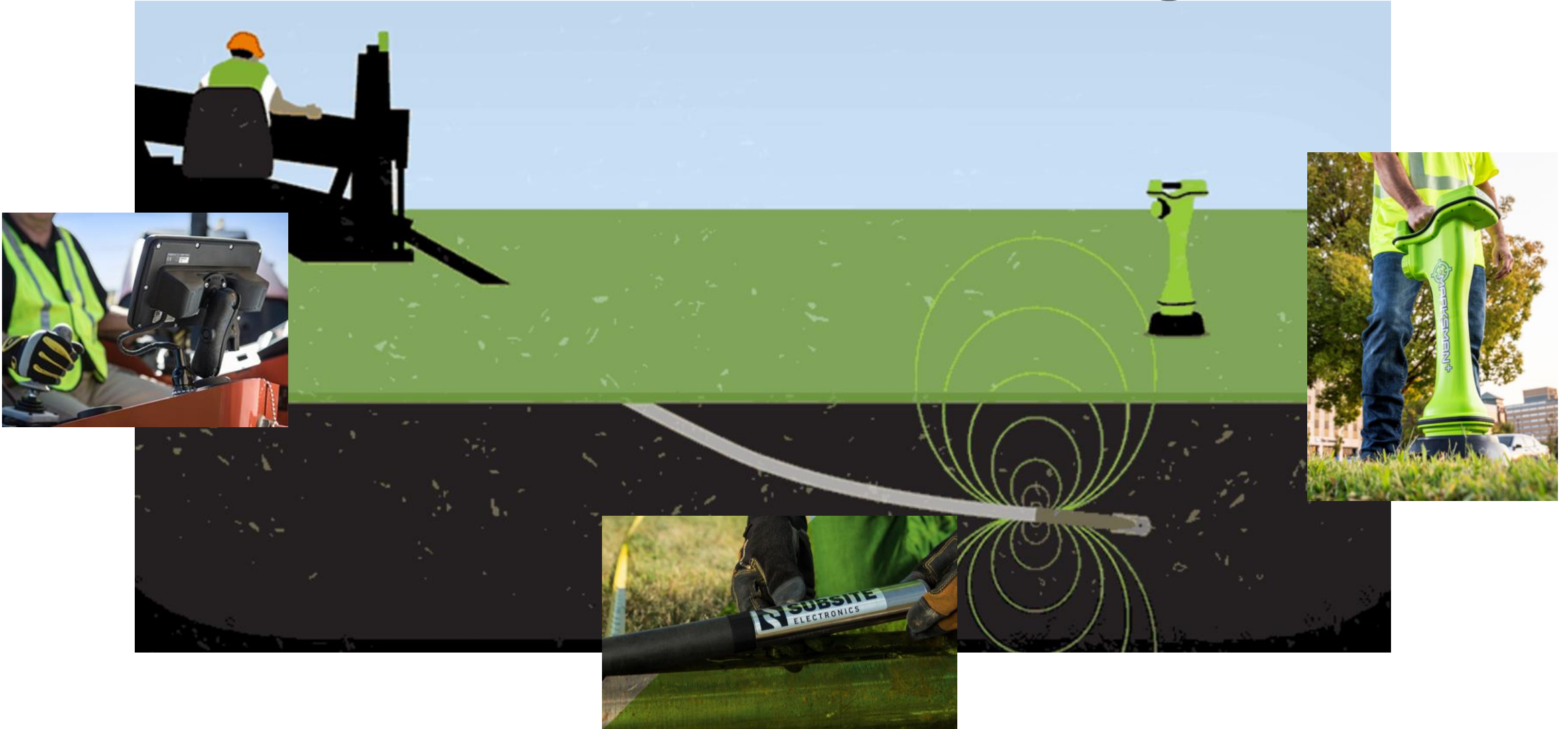
## Growing Importance of As-Builts



**Alex Wagner**  
**Subsite Product Manager**



## Horizontal Directional Drilling





## GPS Devices and Accuracy

Different customers require different accuracies:

- Recreational Grade
- Sub-Meter Grade
- Centimeter Grade



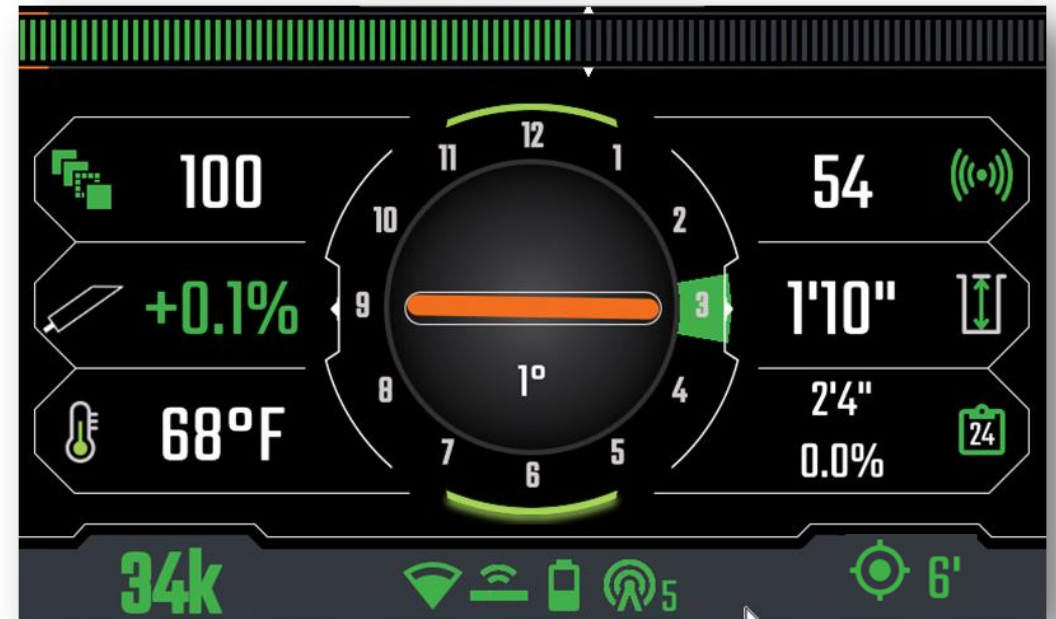




## Bore Logging (During Bore)

Logging the bore information allows the customer to create an As-Built:

- Bore Information Logged:
  - Depth
  - Clock (Roll)
  - Pitch
- May be captured with GPS coordinates

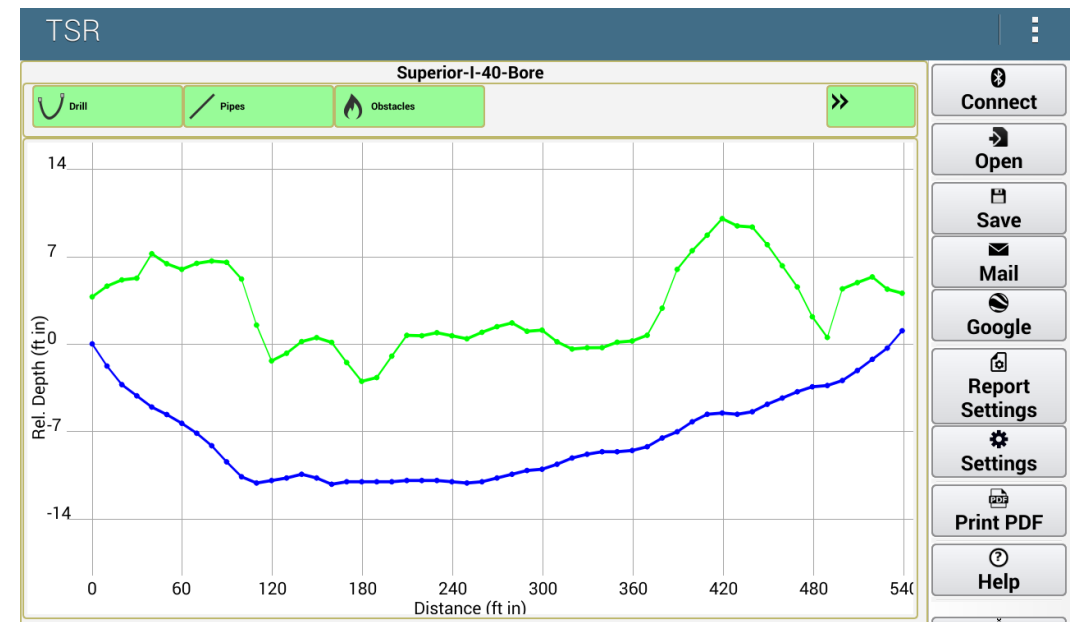




## As-Built Profile (Post Bore)

As-Built is the visual bore profile created from the logging information:

- As-Built is the bore profile with critical information:
  - Depth
  - Distance
  - Terrain
  - GPS Coordinates



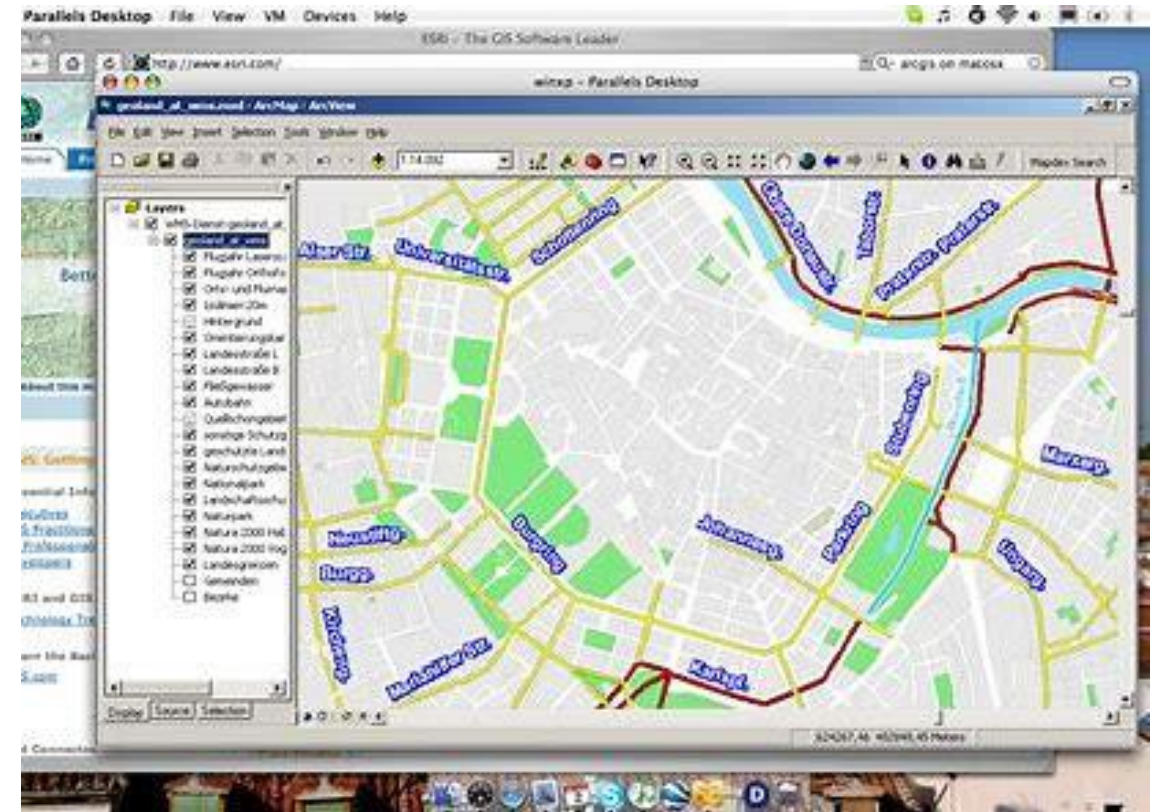


## GPS/GIS Programs

There are many different GPS and GIS Programs available to customers. Most familiar options:

- ESRI
- Google Earth

Choose the best platform for your needs!





## Retainer Fees

3-GIS states,

“There's always been an issue with getting the records, which allow them to know precisely where things were built or buried, but the necessity and growth of fiber has brought these issues further into the spotlight.”







## Aging Infrastructure

### Infrastructure Bill:

- \$55 billion to drinking water, wastewater, and storm water infrastructure
- \$65 billion to broadband deployment

Someone will need to account for installations!







## Information is Power

“They’re not required”  
“We log them on paper”  
“We don’t use GPS”

- You own the data
- Simple programs
- Integrated GPS





# UNDERGROUND CONSTRUCTION TECHNOLOGY

THE UNDERGROUND UTILITIES EVENT | JANUARY 25-27, 2022 | FORT WORTH, TEXAS

## Questions?

