



UTILITIES MAPPING PROJECT

LEE COUNTY GIS & LEE COUNTY UTILITIES AUTHORITY

Summer 2020

UTILITIES MAPPING PROCESS

Collecting Data with Trimble TDC150

- Using High-accuracy GNSS receiver to obtain sub-meter to centimeter precision on utility points out in the field
- Collecting and entering in attributes for each point such as latitude, longitude, feature type, diameter, etc..

Digitizing Data from Trimble to ArcGISPro

- Using collected information to create accurate layers for all water and sewer points
- Digitizing sewer and water lines by connecting the collected points and inputting appropriate attributes

Final Product

- Having a layer for water and sewer readily available with accurate information accessible through GIS, web maps, printed maps, pdf, etc..

Ira Houston & Bailey Williams



EXAMPLES of Utility Points



Storm
Drains

Water
Meters



Fire
Hydrants

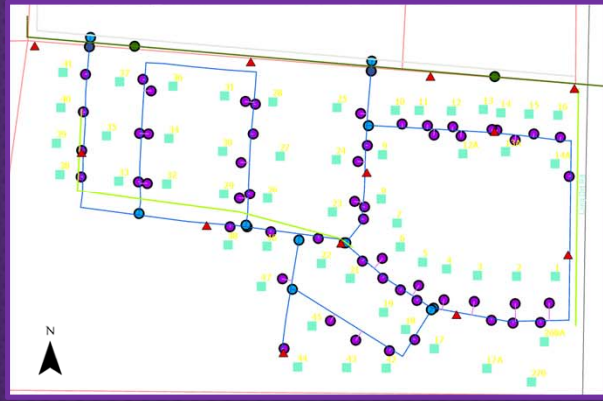
Water Valves



Lift
Stations



Manholes



- Legend**
- ▲ FireHydrants
 - Easements
 - Telephone Lines
 - Sewer Lines
 - SewerPoints
 - Feature
 - Man Hole
 - Storm Drain
 - lift station
 - lift station valve
 - sewer force main valve
 - <all other values>
 - WaterLines
 - Feature
 - Main Water Line
 - Water Tap Line
 - <all other values>
 - WaterPoints
 - Feature
 - Gate Valve
 - Water Meter
 - Water Valve
 - att valve
 - <all other values>
 - MobileHomeParks
 - LeeCenterlines
 - NewParcels

Utility Map for Greenveiw Estates
 created from DWG as-built
 By: Bailey Williams



THANK YOU!