



PRAIRIE ISLAND INDIAN COMMUNITY, MN: UPDATING UTILITY INFRASTRUCTURE

Pro-West & Associates helps Prairie Island Indian Community to update its utility infrastructure and implement a viable means of maintaining it using ArcGIS Online.

Pro-West has been working with Prairie Island Indian Community (PIIC) for over 12 years, completing projects involving data development, data conversion, data modeling, desktop GIS toolsets, needs assessments, and infrastructure design.

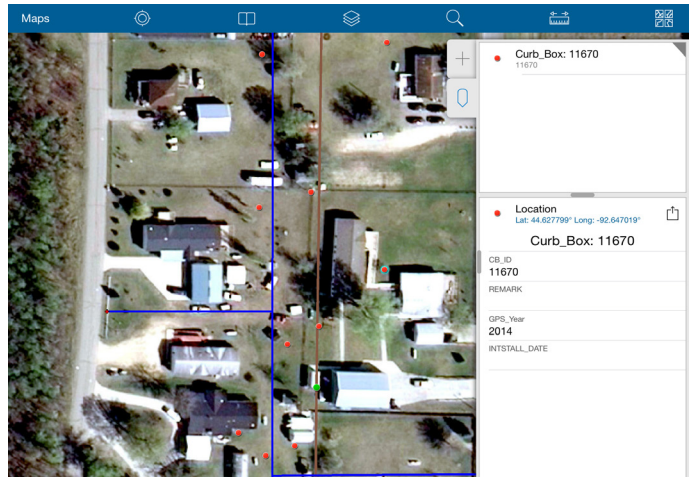
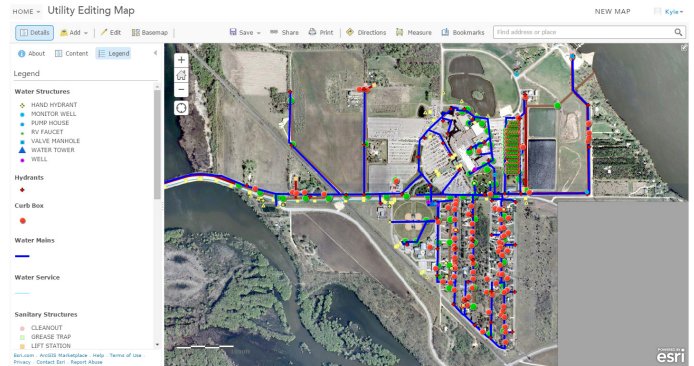
PIIC housed utility and other internal datasets in silos on file servers or individual computers. Finding data was difficult and, if it was located, staff could not use it on tablet devices. In addition, PIIC did not have an easy way to GPS utilities and update changes as they occurred throughout the year. Locating curb stops in the winter was almost impossible, with deep snow and only paper maps available in the field.

PIIC needed to update its utility infrastructure and have a viable method to maintain it. Also required was a web-based solution that would allow all PIIC staff to access spatial data, since managing desktop GIS applications was no longer a viable solution.

THE SOLUTION

Pro-West implemented a solution that met PIIC's specific needs:

- GPS services and training to update accuracy and completeness of the utility infrastructure
- Updated the data into Esri's Local Government Information Model
- Configured an ArcGIS Online organizational account for use throughout the organization
- ArcGIS Online training, enabling PIIC to manage its account
- Set up the data collector application on an iPad for seamless utility locating and editing. Coupled the iPad with an iSXBBlue II GNSS GPS device



TECHNOLOGY

- ArcGIS Online
- Data Collector

KEY BENEFITS

- Centralized content management system to display and edit GIS data
- Cross-platform method to distribute data to users
- Seamless field to office workflow
- Easy utility locating
- Easy updating of utility locations and associated attributes
- Elimination of delays in accessing data due to immediate visibility of field edits via ArcGIS Online applications

