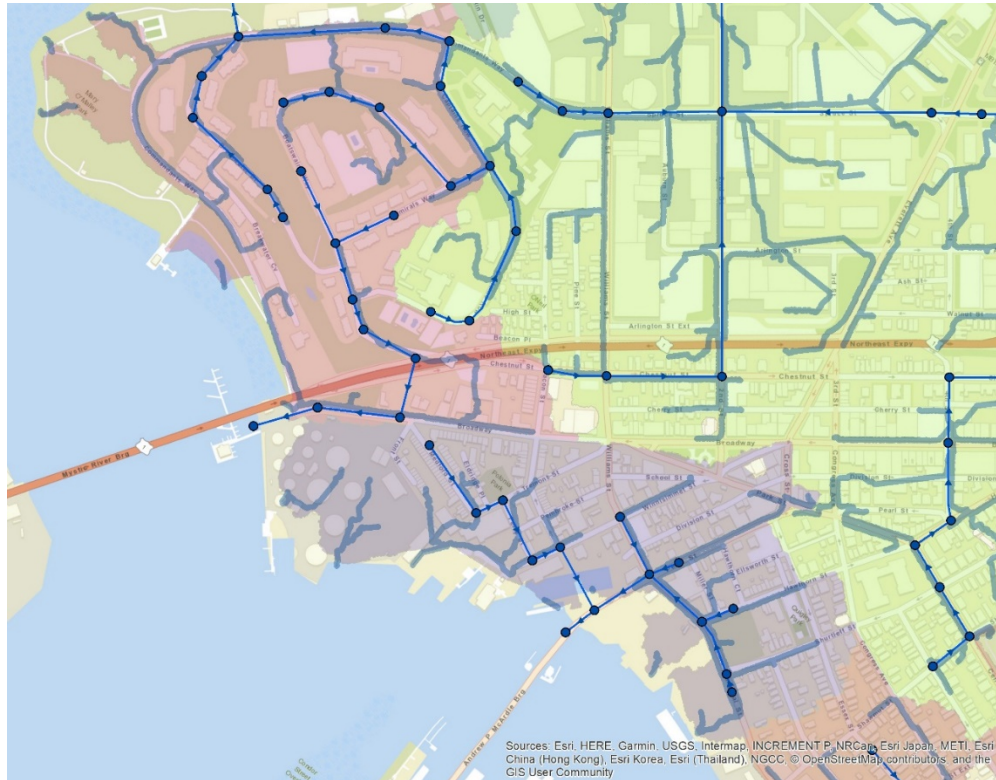


GIS Tools for Management and Manipulation of Wastewater Infrastructure Data

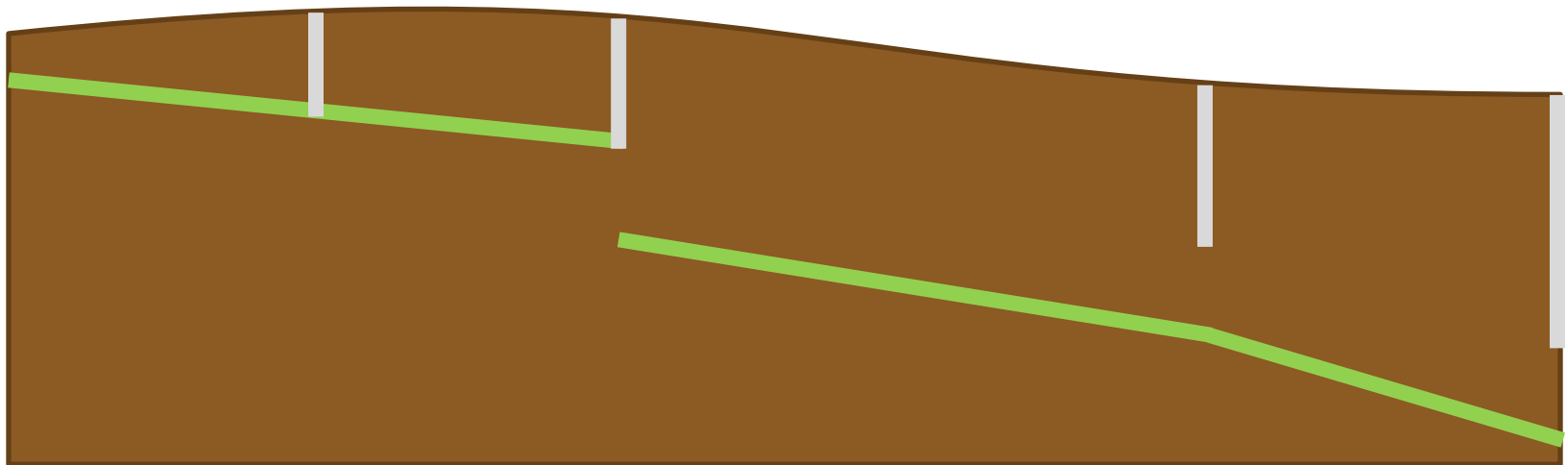


Michael Hanley
Peter Garvey

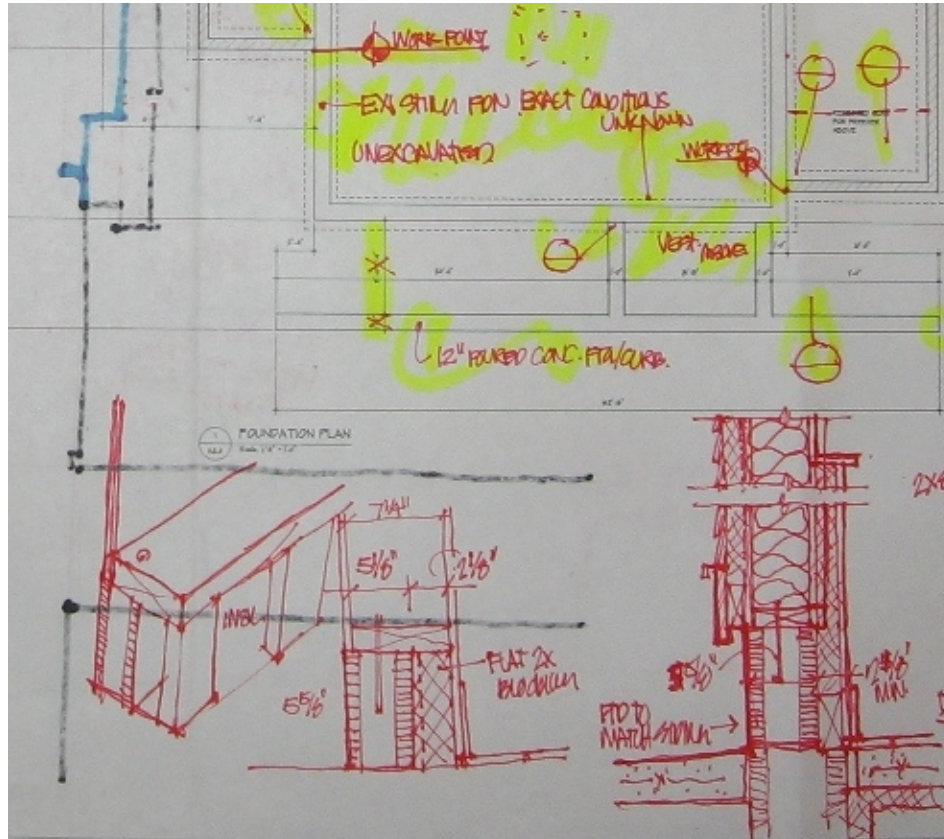
Locating wastewater infrastructure in the field



Identifying and correcting errors and anomalies



Adding new infrastructure data



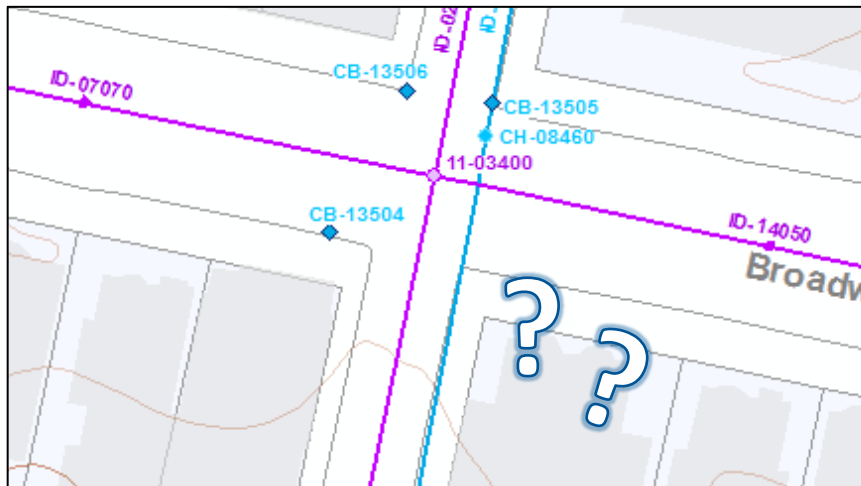
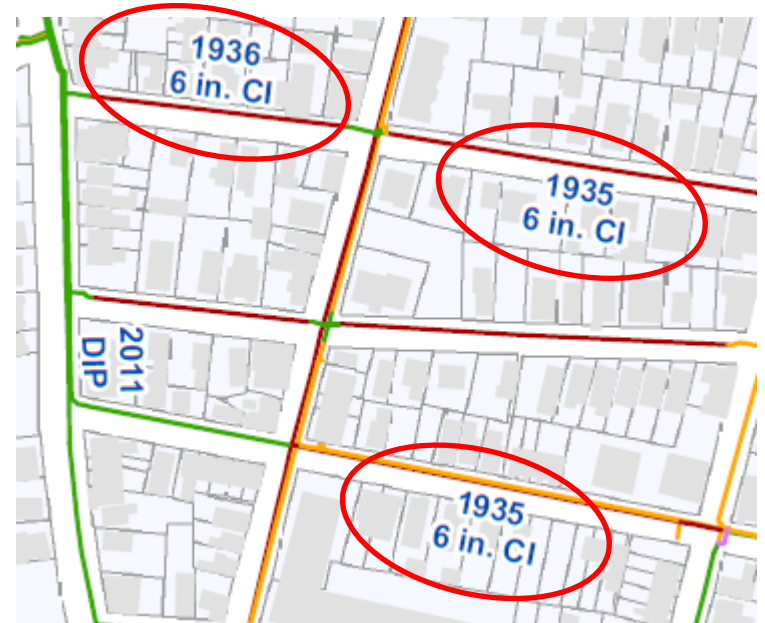
Accessing Construction Records



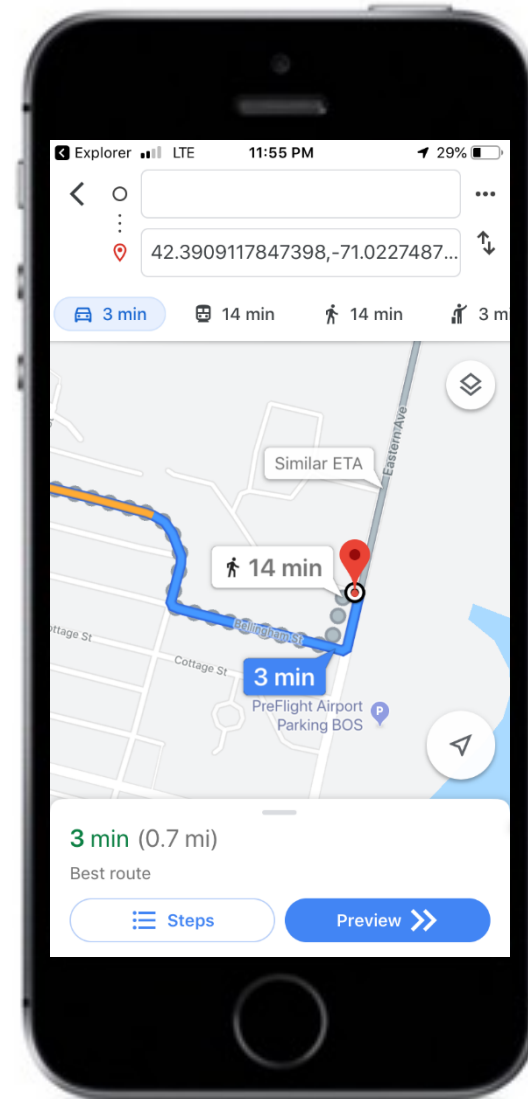
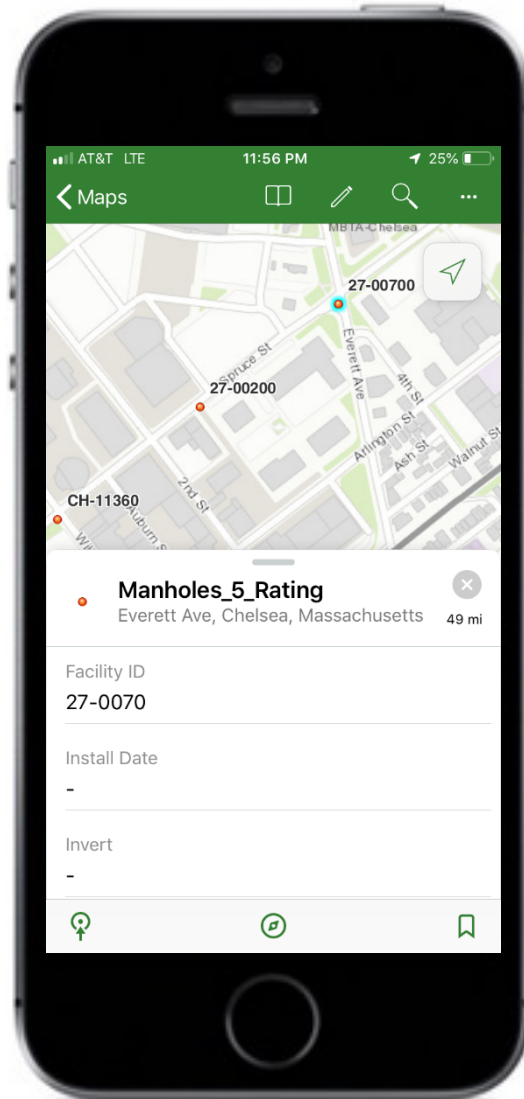
Map production for targeted infrastructure



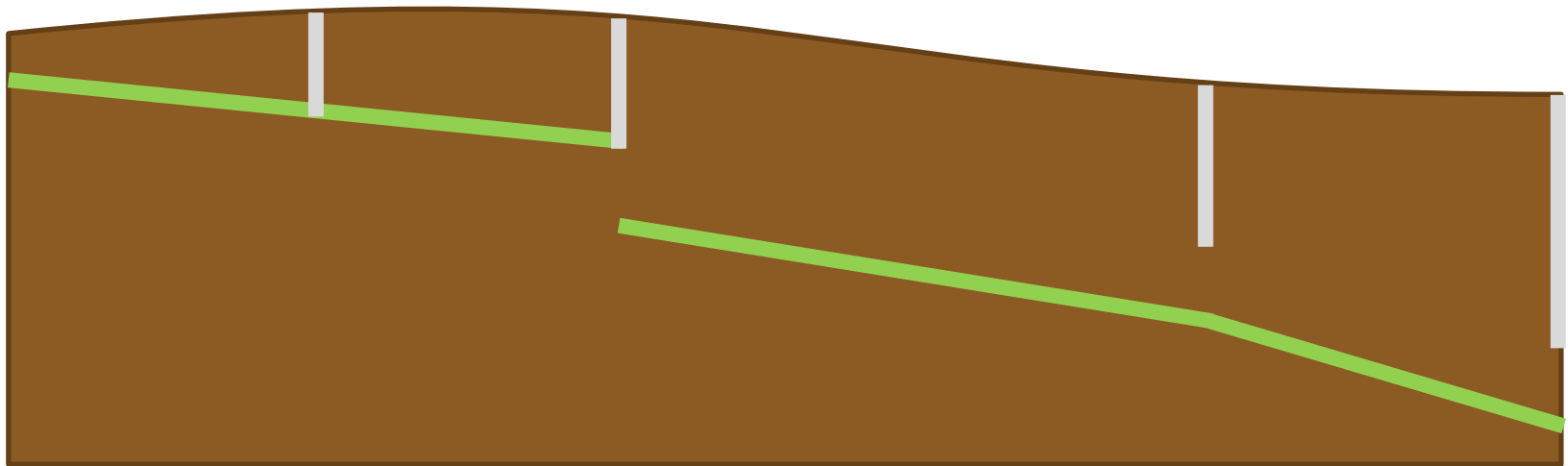
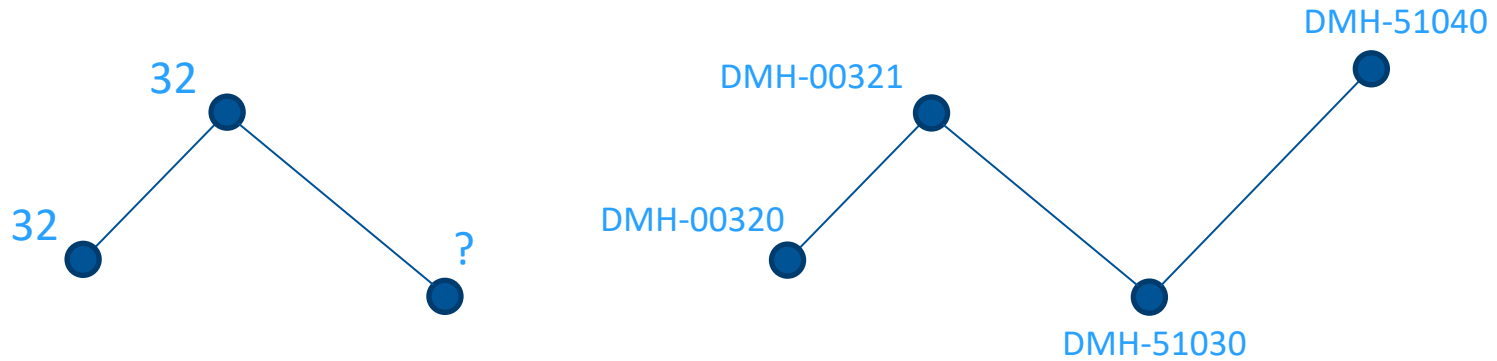
What can you use GIS for?



1. Locating Infrastructure in the Field



2. Identify/Correct Errors and Anomalies



3. Efficiently Incorporate Field Data

My Survey

▼ **Sump Pump Location**

How many sump pumps are in the house? *

Enter the information and include a photo for each sump pump using the menu that will appear below.

2

▼ **Information for each Sump Pump**

Select the discharge location *

- Sanitary Sewer
- Storm Drain
- Flexible Hose
- Hard-Piped Outside to Ground Surface
- Other

Sump Pump Comments

PVC Pipe discharges to front lawn

Sump Pump Photo *

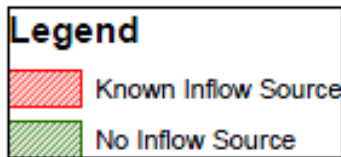
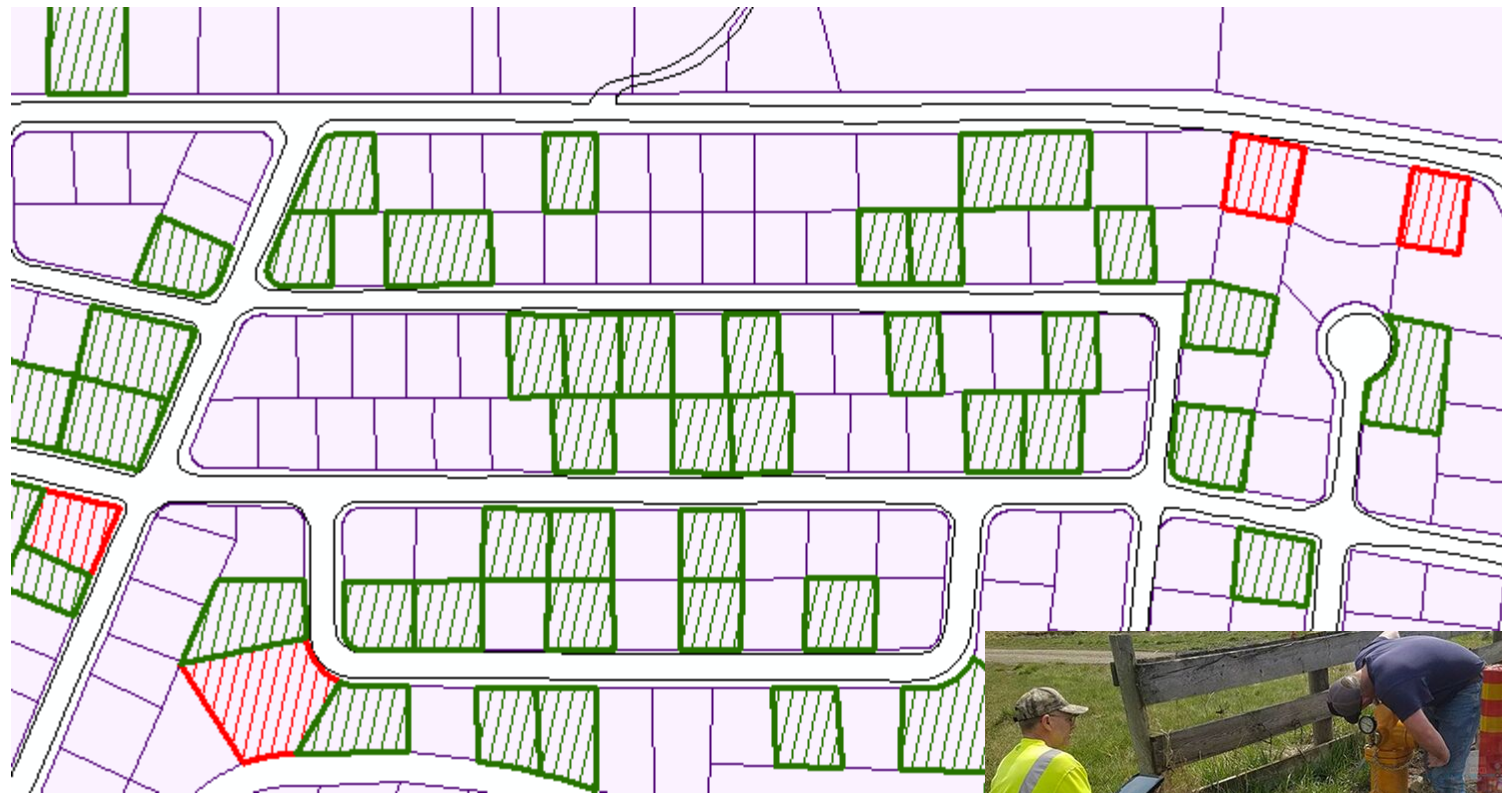
1 of 2

▼ **Basement Drainage and Connections**

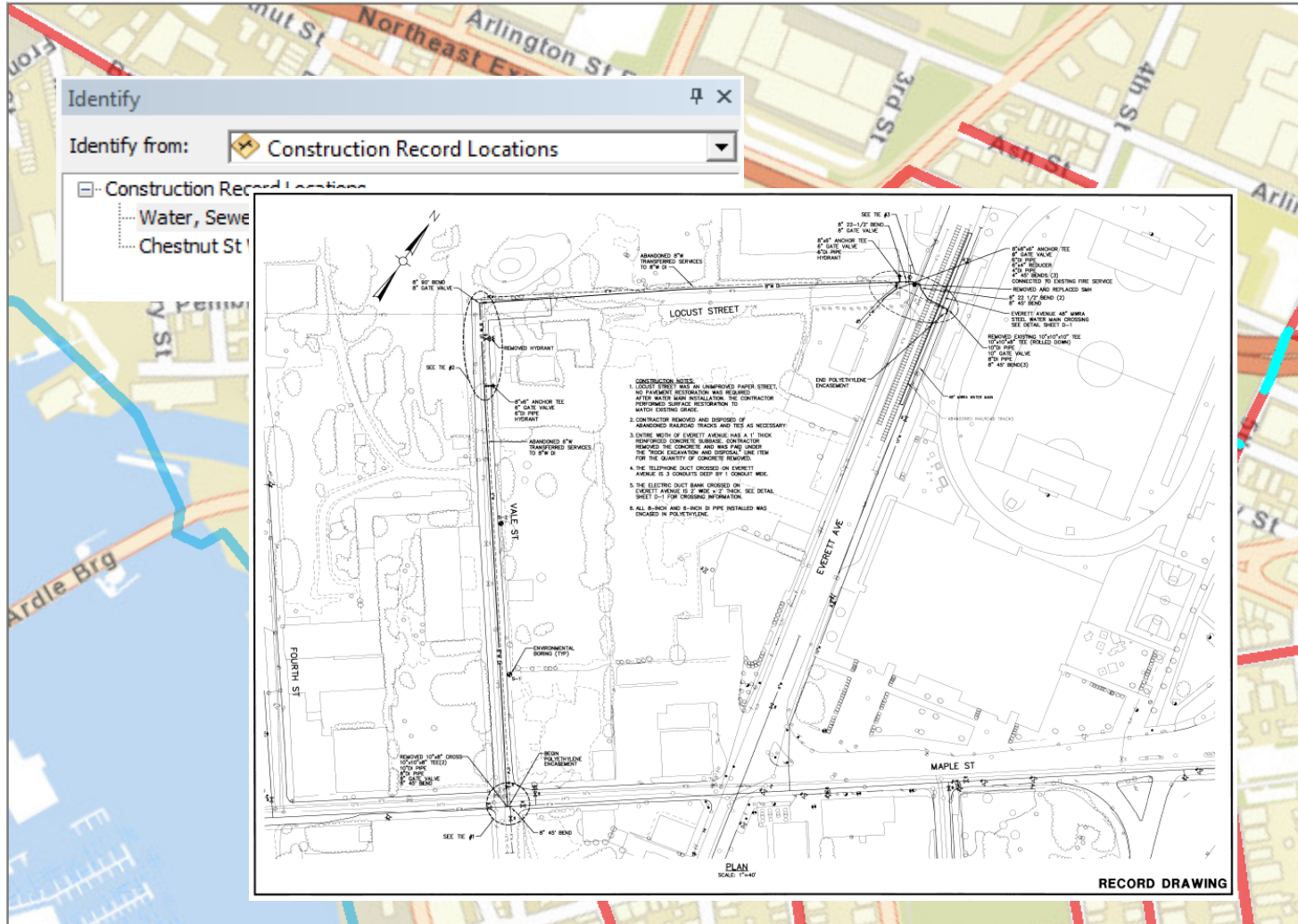
Which of the following are present in the basement to collect water?

- Open Cleanout
- Basement Drain
- Open Pipe

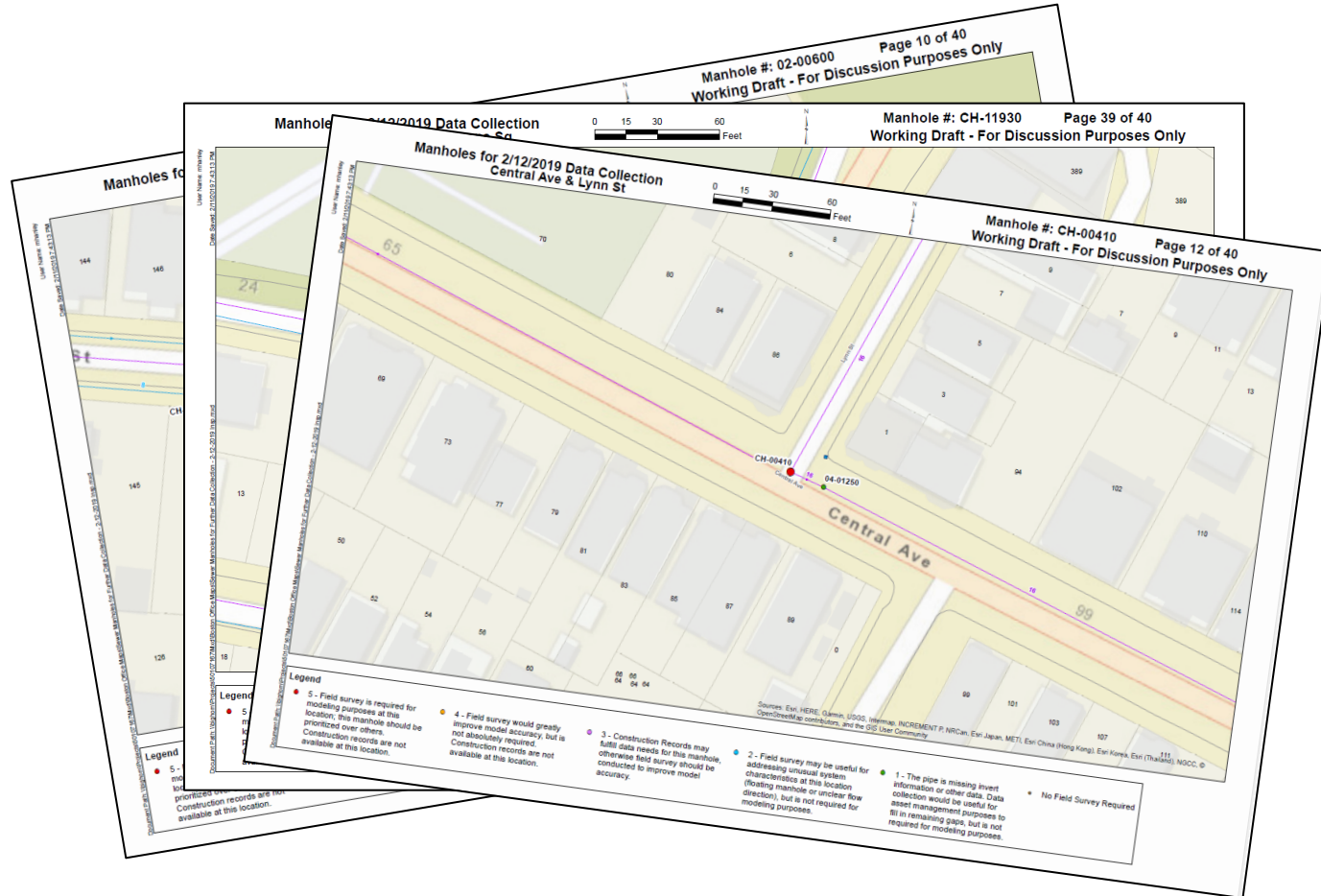
3. Efficiently Incorporate Field Data



4. Access/Manage Construction Records



5. Efficient High-Volume Map Production



Conclusions

- Efficiency
- Methodical, systematic
- Allows different levels of data administration
- Accuracy
- Facilitates analysis and presentation



Q&A / Discussion