

Green Bay Water Utility

- Became a Cityworks client in 2007
- Desktop CW 4.31 SP5 5 licenses
- Storeroom 1 license
- Implemented in Distribution area





Client Stats

- In February 2009
- Added two more Cityworks Desktop licenses CW 4.5
- Implemented in Pumping and Filter Plant for WO management using standalone databases



Client Stats

- In September 2014 Cityworks 2014 SP3
- ELA license Desktop, Anywhere, AMS, Contracts, Analytics,
 Mobile Native Apps, Equipment Checkout, Storeroom, e-URL
- Implementation throughout entire utility



Client Stats

 POWER Engineers – Green Bay Water Utility's system integrator from the start with ESRI GIS Model and Cityworks Asset Management





Asset Management:

- WO's Management Water distribution features, meters, customer service, storage/reservoirs and water treatment
- Condition Assessment Inspections Water distribution features, hydrants for flushing, checking and painting, valves for turning and meters down to the toilet/shower level



Asset Management:

- Reporting PSC Accounting, State Compliance on Meters, DNR Sampling and Water Loss
- Modeling / Risk Analysis Critical Customers, Usage Data, Leaks and Freeze Up data



Green Bay Water Utility, Green Bay, WI

33,000 Residential

3,000 Commercial/Multi-Family

175 Industrial

225 Public Authority

Three wholesale customers:

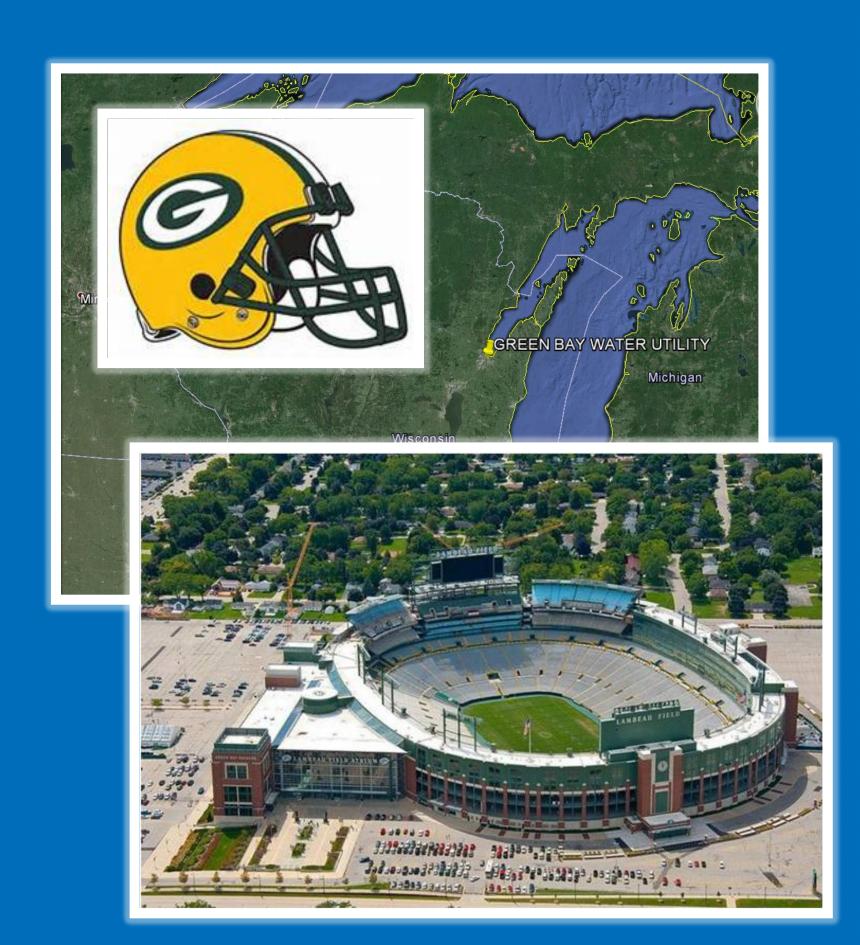
2006-Village of Ashwaubenon

2006- Town of Scott

2011-Village of Hobart

The water is still being drawn from Lake Michigan, 27 miles to the east of Green Bay, just north of the City of Kewaunee.

The City has a current estimated population of **104,500**. Since 1960, the City of Green Bay has grown physically from 15.5 square miles to a present area covering approximately **46.1** square miles.



Green Bay Water Users

- 45 Cityworks Users
- 35 Esri ArcMap Users









Cityworks®

From The Start Working Together

Green Bay Water

- Landbase
- WPS Software
- Conversion of Records
- GIS

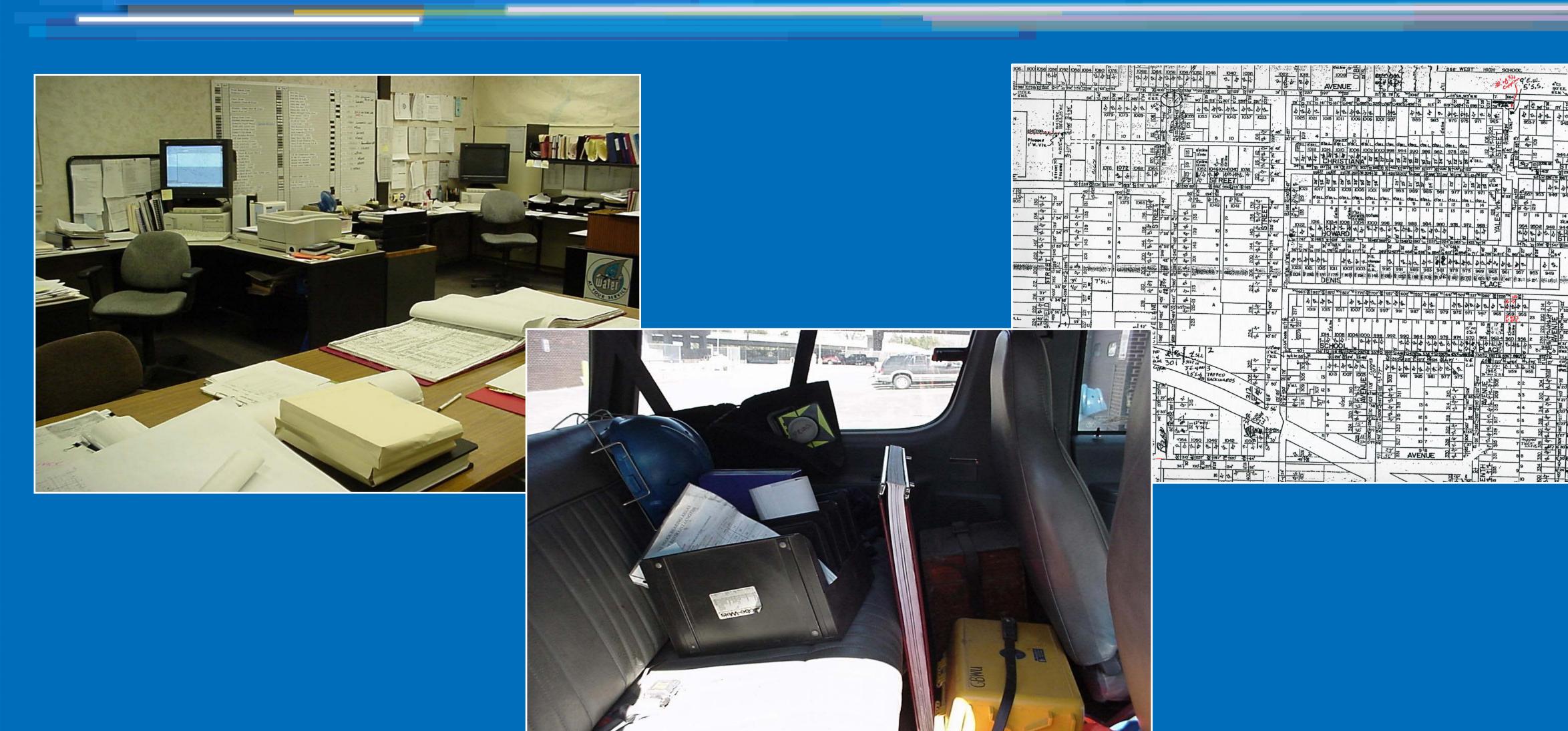
Esri

- GIS
- ArcView
- Editor

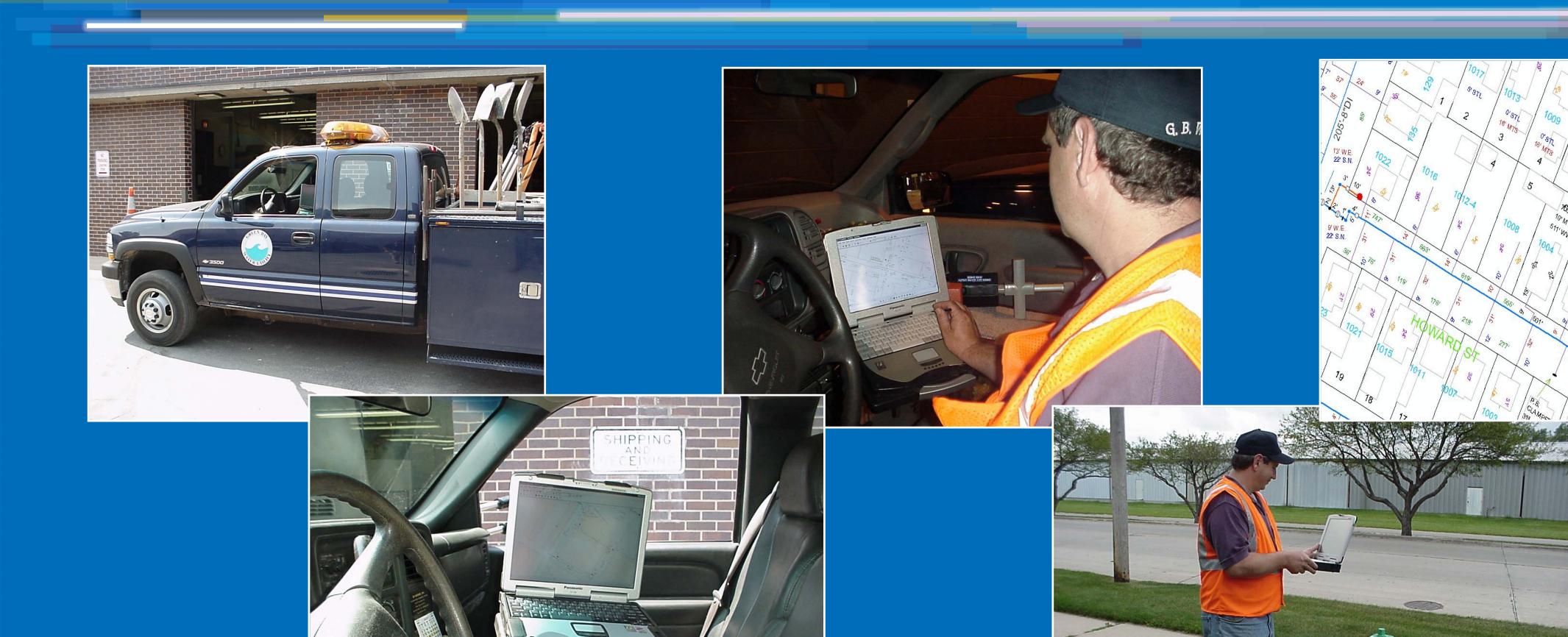
Cityworks

- Desktop
- Storeroom
- DataPump

Conversion of Paper Records



Mobile GIS



FLOW through Distribution

Distribution Office

Office Staff – Work Orders, Equipment, Materials, Labor, Tasks, DataPump, Storeroom with GIS on their Desktops

Outside Crew – Paper Records with GIS on their Laptops in the Trucks using GoSync for data updates weekly

Construction/Engineering Services – Work Orders, Materials, Storeroom with GIS on their Desktops

Goals

- WO Tracking
- Equipment, Materials, Labor Entry
- Inventory Tracking
- Facilities Maintenance

FLOW through Pumping/Filter Plant

Pumping Office / Filter Plant

Managers / Staff - Work Orders and Tasks on 2 Desktops

Goals

- WO Tracking
- Facilities Maintenance

FLOW Stopped to a drop!

2011-2014

- Cityworks stable at CW 4.5
- GIS stable at 9.2 started falling behind
- Metering and Customer Service

Timing was not right with the Meter Reading and Billing Systems Software, but they knew they would need a change



Server Upgrade - Server Based Software

Server Upgrade

SQL 2008 to SQL 2014

Windows 2008 to Windows 2012 R2



Cityworks

Desktop CW 4.5 to Cityworks Server 2014 SP3



ArcGIS

ArcGIS v9.2 to ArcGIS v10.2.1

New FLOW through Metering

Metering

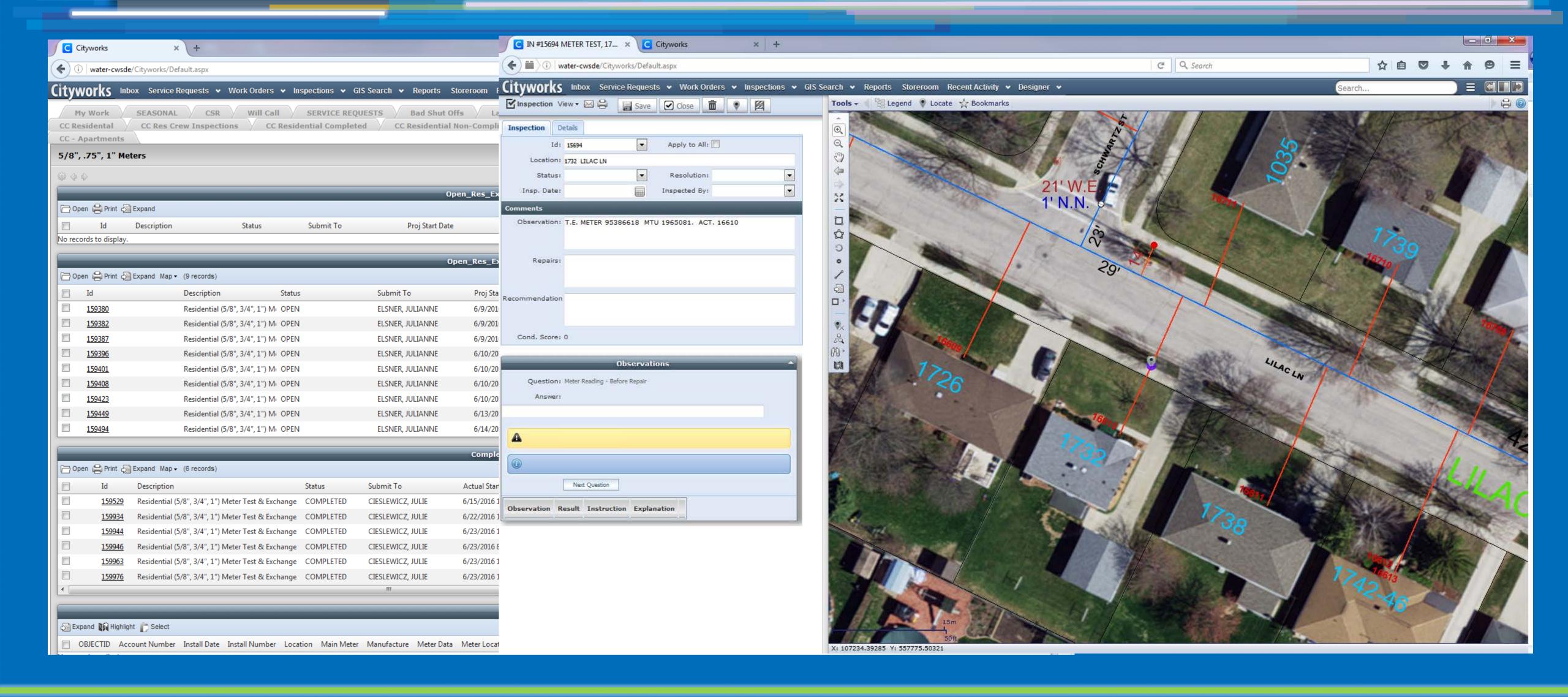
Office Managers – Work Orders, Tasks, Inspections with GIS in Cityworks Mapping and GIS on their Desktops

Outside Crew – Work Orders, Tasks, Inspections with Cityworks Mapping and GIS on their Laptops in the Trucks using GoSync for data updates weekly

Goals

- WO Tracking
- Scheduling Tasks
- Automated Inspections
- GIS Mapping
- Outside Crew Mobile Updates
- Cityworks integration to NorthStar (CIS)

Metering



New FLOW through Customer Service

Customer Service

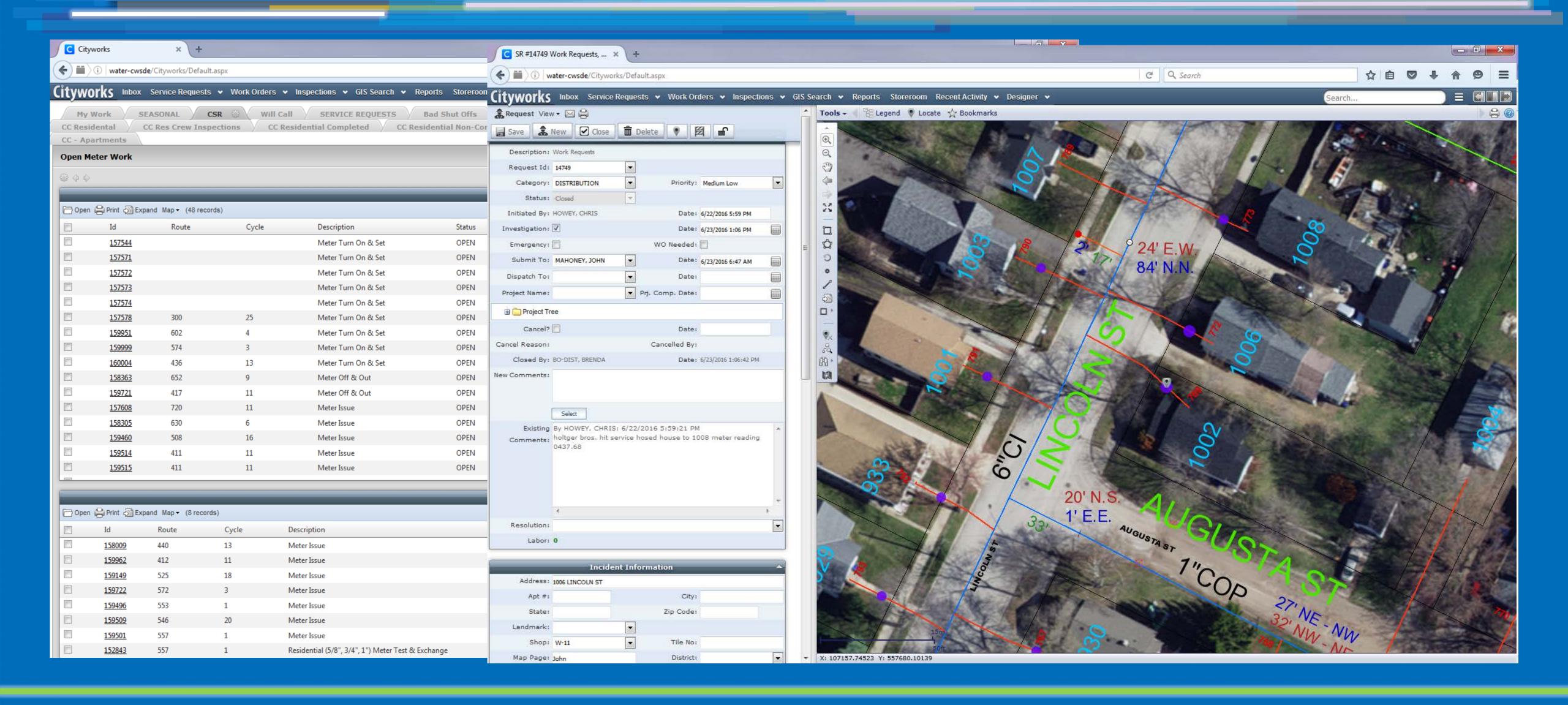
Office Managers – Service Requests, Work Orders, Tasks, with GIS in Cityworks Mapping and GIS on their Desktops

Front Office Staff - Service Requests, Work Orders, Tasks, with GIS in Cityworks Mapping

Goals

- Service Request Calls
- WO Tracking
- Scheduling Tasks
- GIS Mapping

Customer Service



Upgrade FLOW through Distribution

Distribution Office

Office Staff – Work Orders, ELM, Tasks, Storeroom with GIS on their Desktops

Construction/Engineering Services – Work Orders, Materials, Storeroom with GIS on their Desktops

Outside Crew – Service Requests, live WO creation, submitting and closing. Entering ELM, Inspections, Redlining, attaching photos and live GIS edits thru Cityworks and a (static backup GIS) on their Laptops in the Trucks using GoSync for data updates

Goals

- Cityworks Server Live
- Mobile Data to/from Outside Crews Live
- Paperless

New FLOW through Distribution Crews

Distribution Crews

- Service Requests
- WO Management
- ELM
- Inspections
- Redlining
- Attachments
- GIS Edits

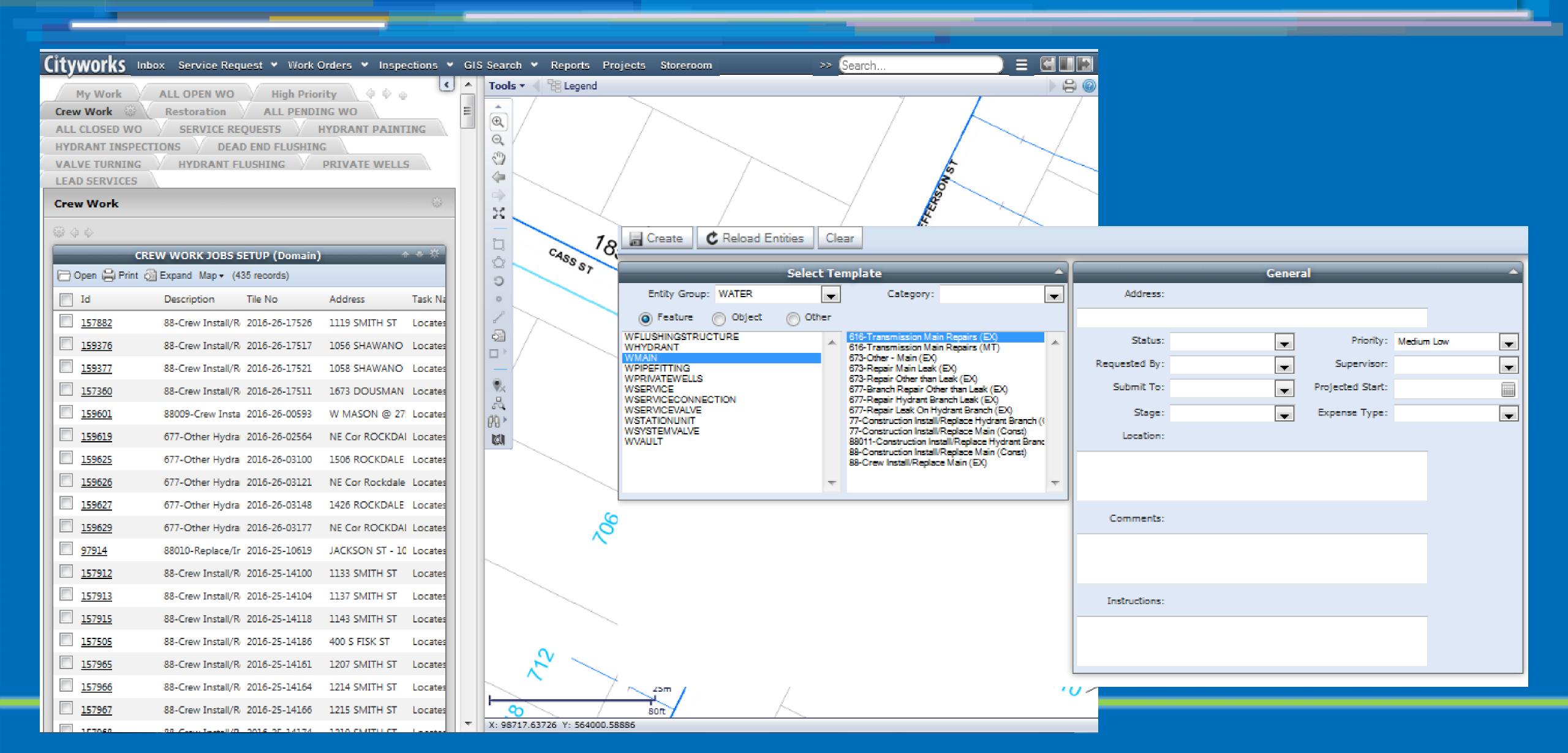
Training

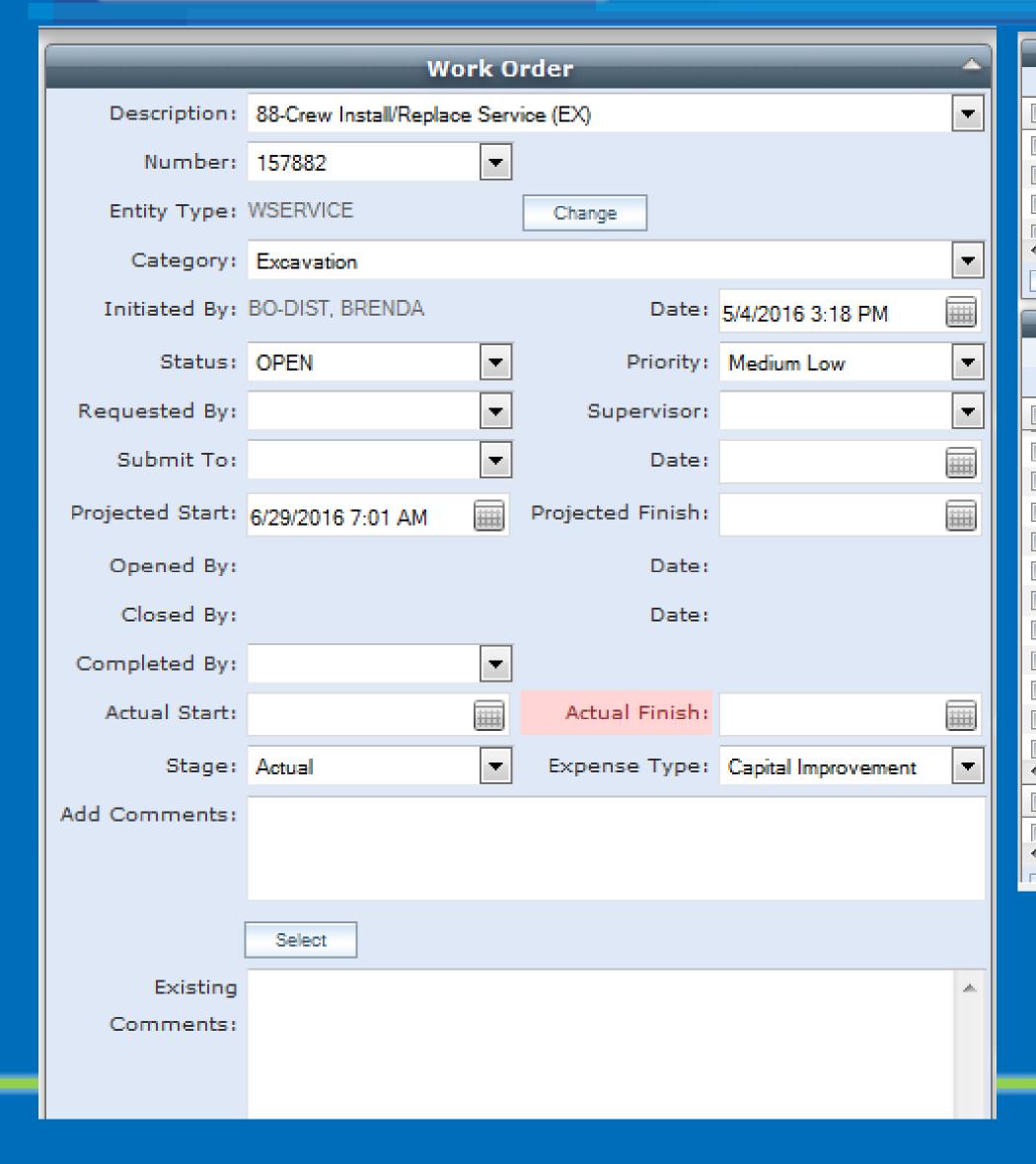
- Cityworks
- POWER Engineers
- Internal Customized
 Training

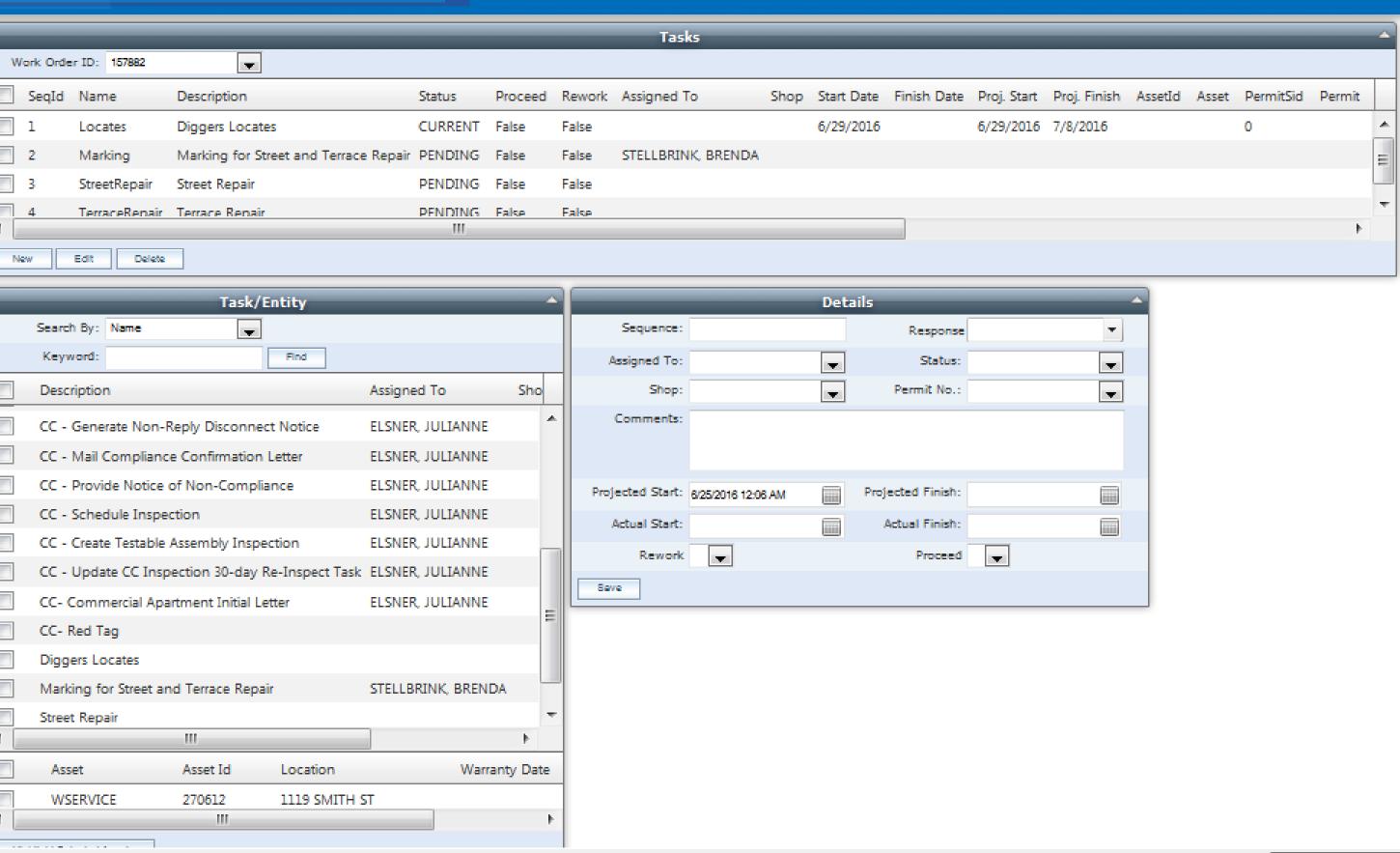


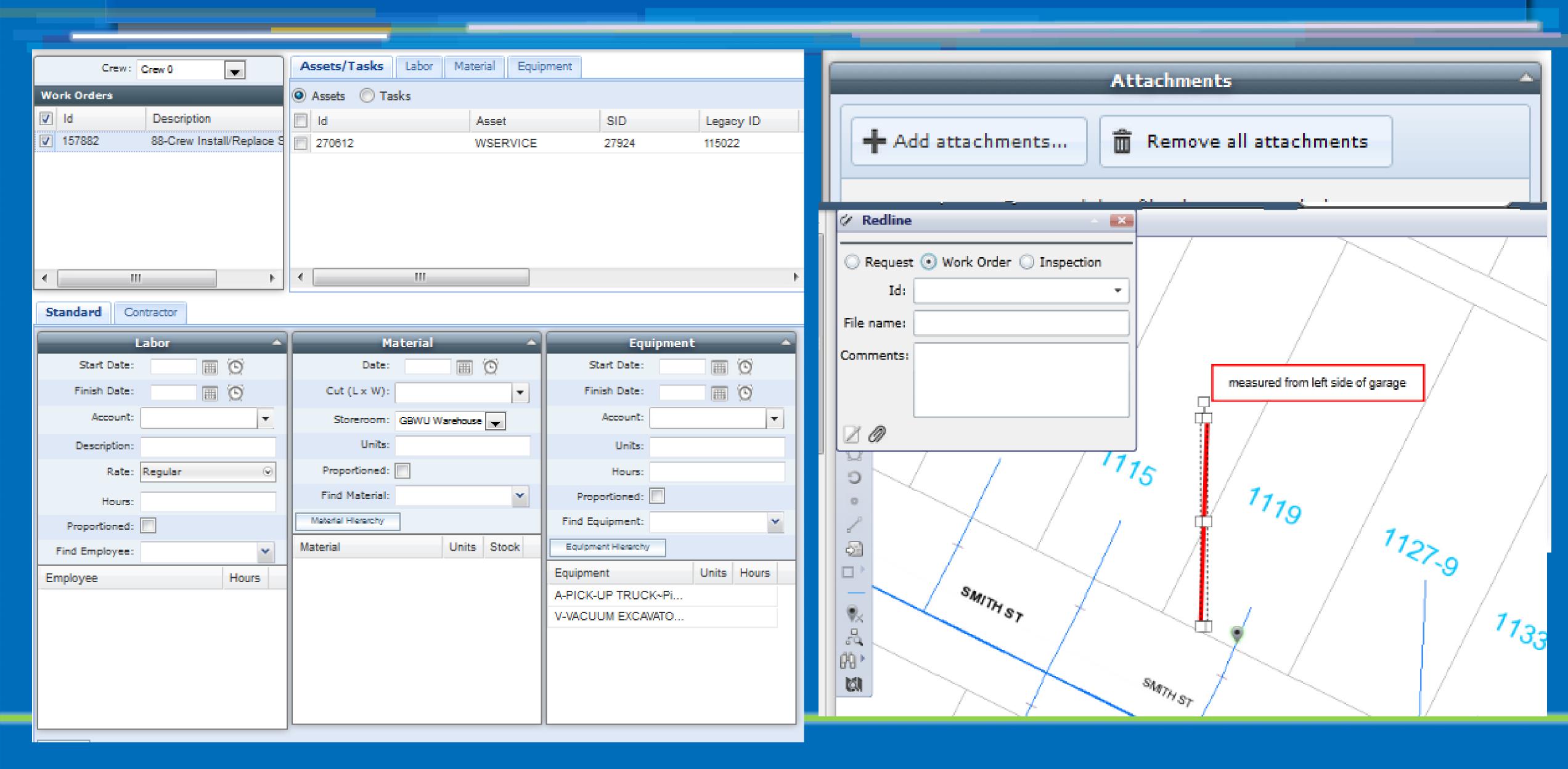


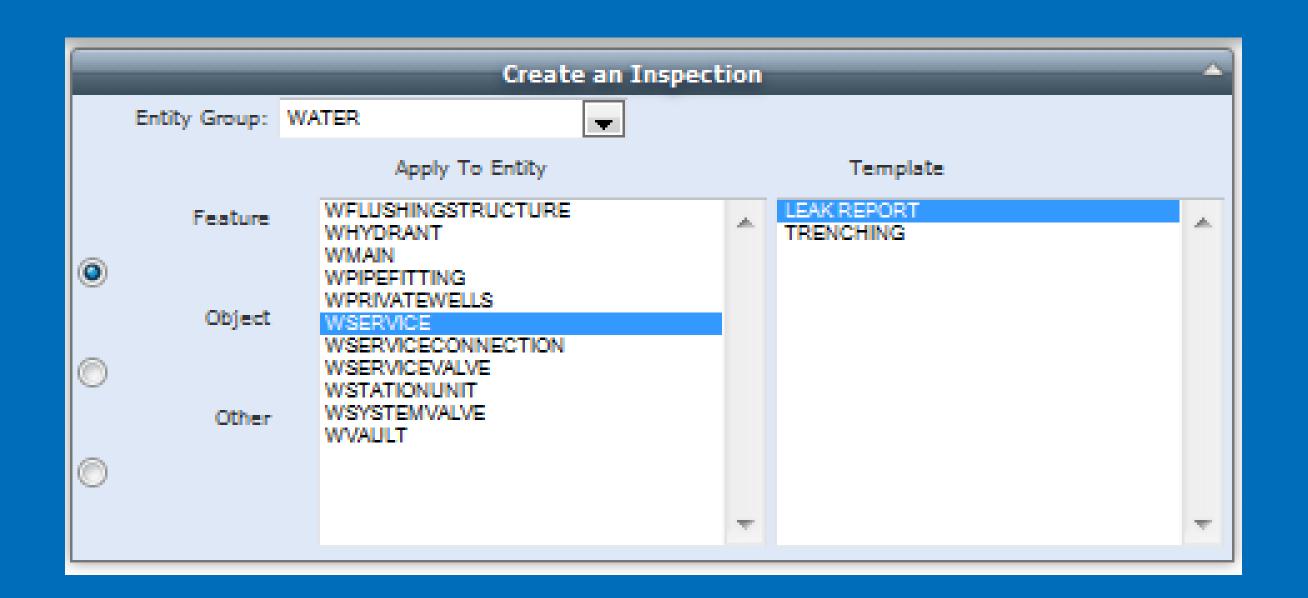


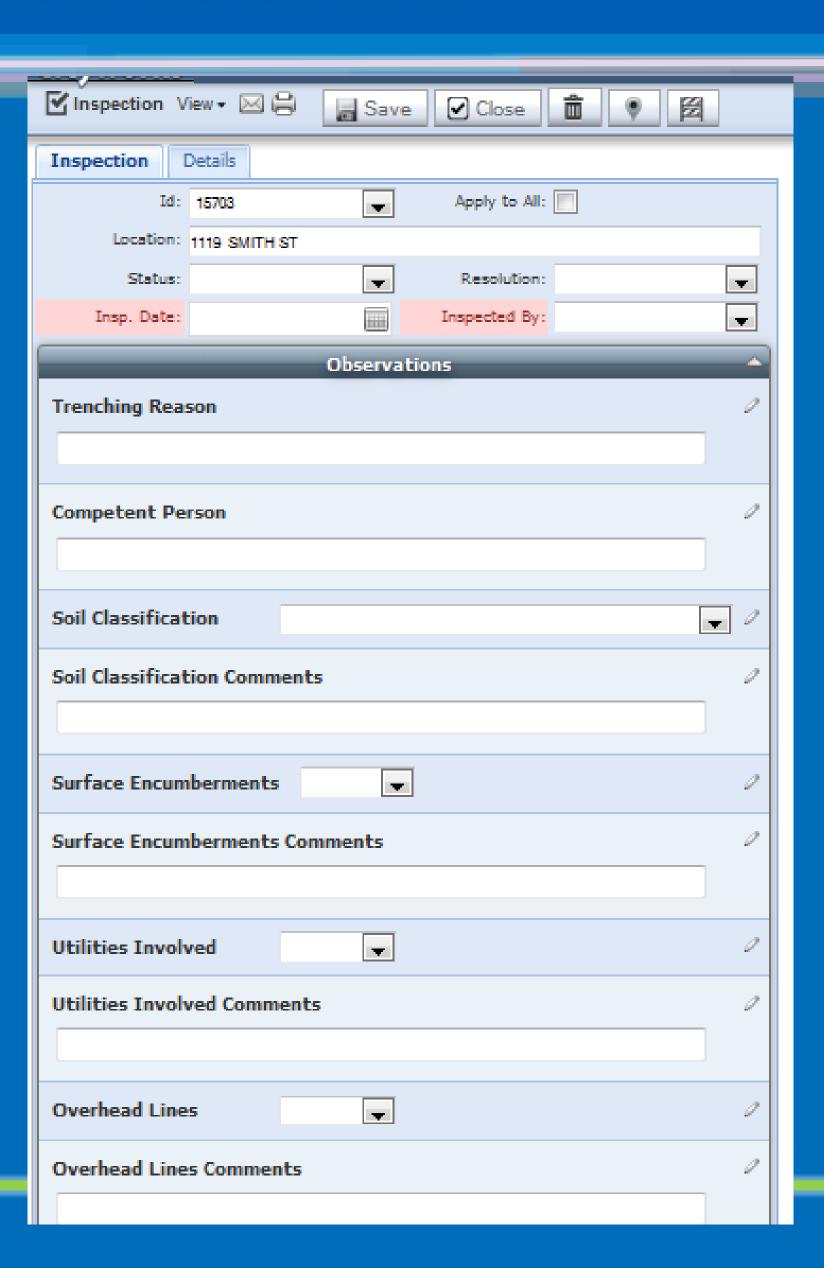


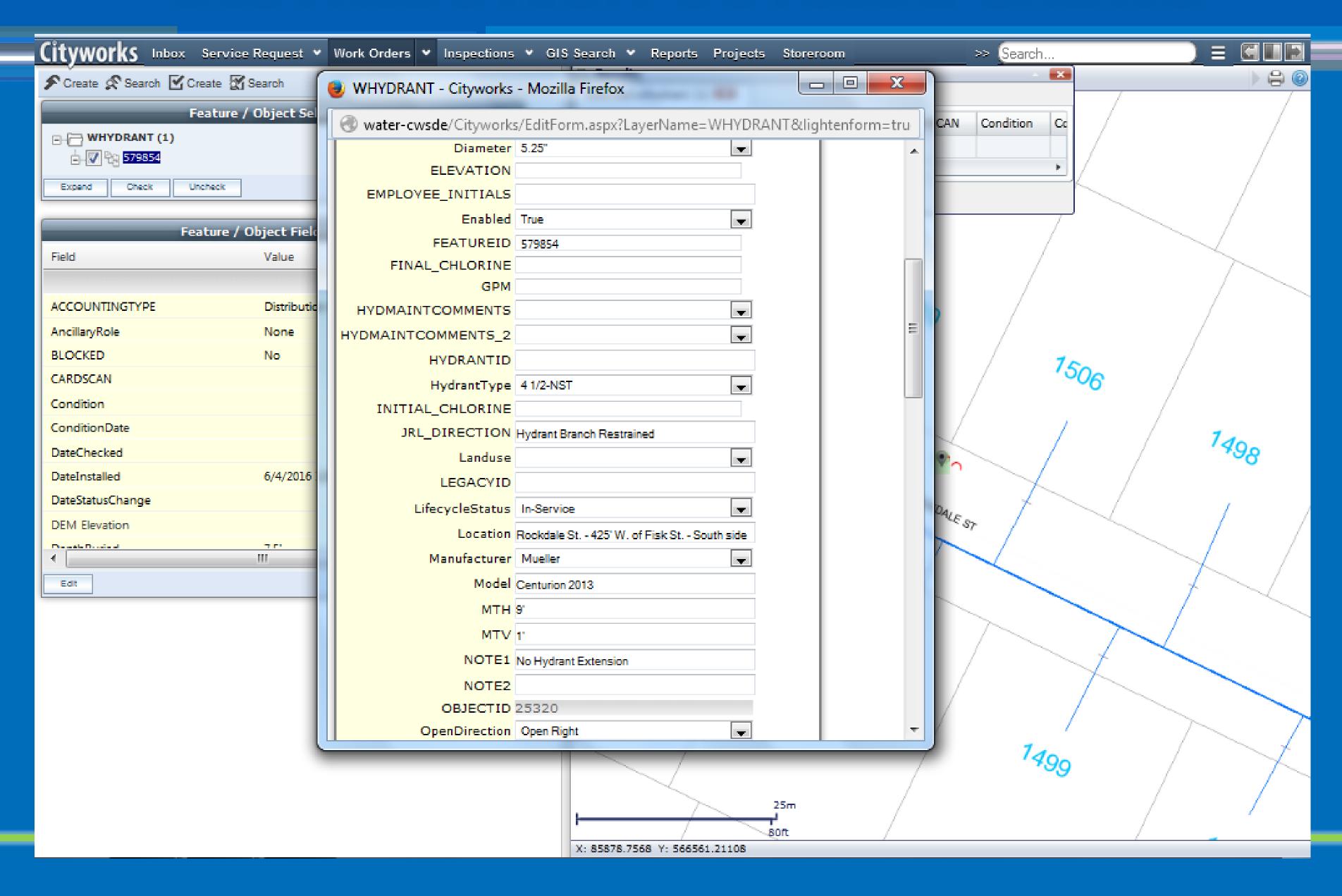












Upgrade FLOW through Pumping/Filter Plant

Pumping Office / Filter Plant

Managers / Staff - Office Staff - Work Orders, Tasks, Inspections with GIS on their Desktops

Goals

- WO Tracking
- Facilities Maintenance

FUTURE FLOW

IT Leaders



What I Think I Do



What My Mom Thinks I Do



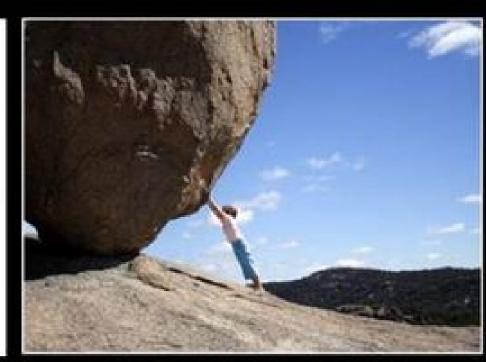
What Finance Thinks I Do



What Business Users Think I Do



What Business Users Want Me To Do



What I'm Actually Doing

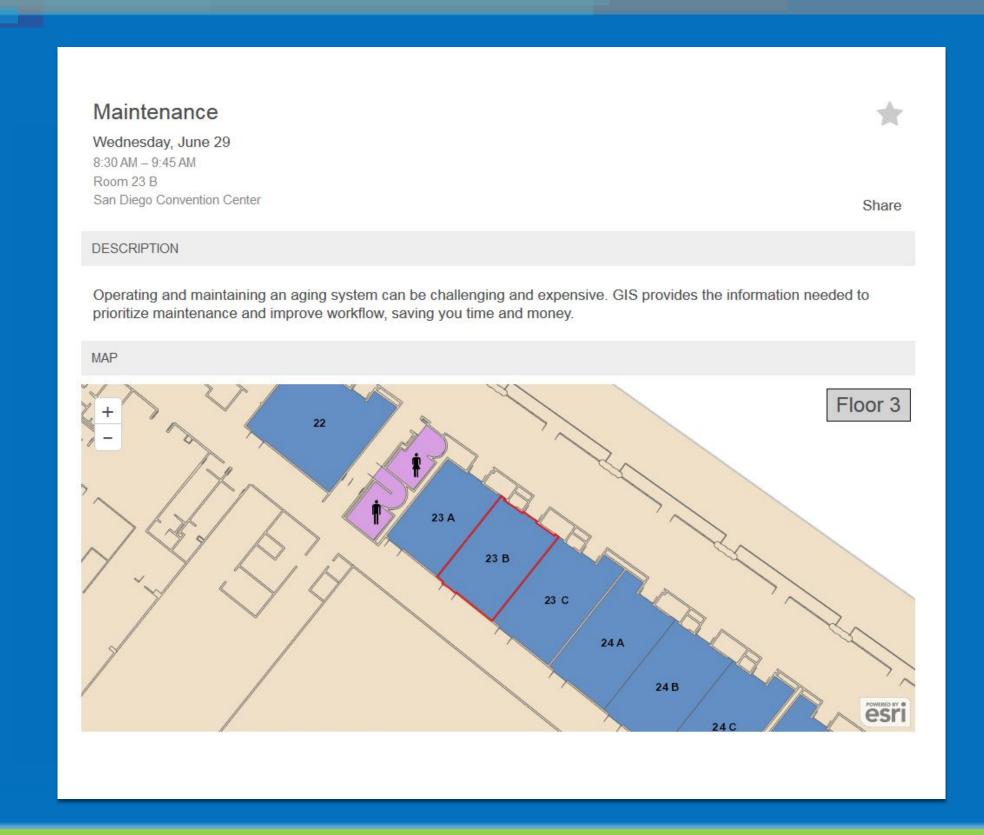
ESRI Conference Presentation

Backflow Preventions and Cross Connection Tracking

Wednesday, June 29th 8:30am-9:45am Room 23B

Bill Hoisington, POWER Engineers

This presentation will discuss how we manage the inspection and maintenance of our meters and backflow preventers in Cityworks, using GIS, improved work flows and integrating the process with our CIS system.







Thank You / Questions?

Thank You

- Cityworks
- ESRI
- Water UC Meeting Group

Questions

- Cityworks John
- Green Bay Water Jean

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