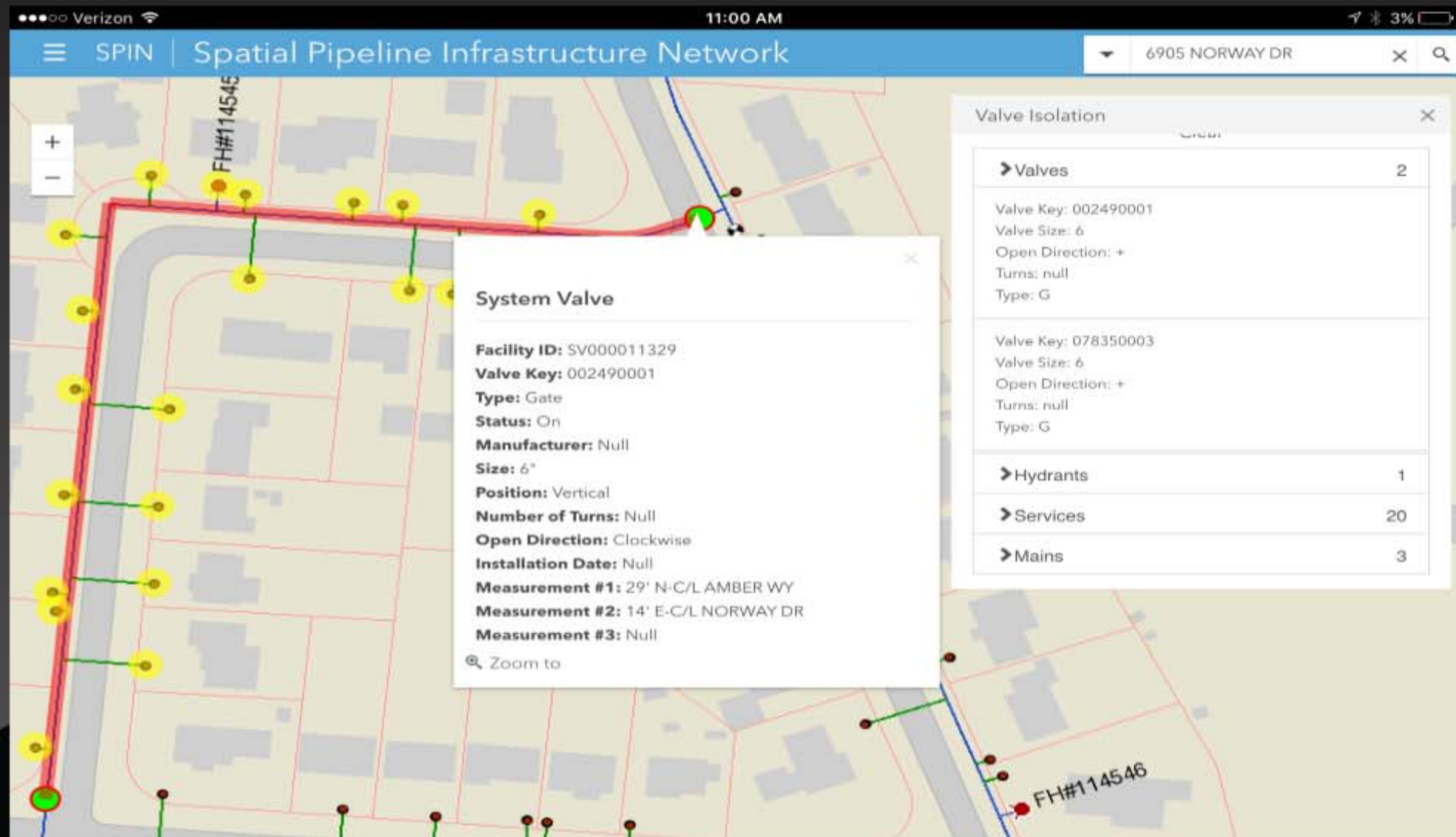


Mobile Valve Isolation

Using GIS in the field to efficiently control a water main break



Pressurized water main breaks, if large enough, can quickly become disastrous to surrounding homes and businesses if not stopped quickly. It is imperative that Louisville Water Company employees in the field find the appropriate valves that control the leaking pipe in order to isolate it and take it out of service as soon as possible to prevent further damage. The Mobile Valve Isolation application is just one of a suite of tools that brings the power of GIS to our employees in the field. This mobile tool allows the user to select a pipe to isolate from the water system, then the application will use server side network tracing to return a list of valves that control flow to this pipe, a list of customers affected, hydrants affected, as well as the specifications of the pipe itself. Using GIS, employees can now instantly view and deploy to the correct valves and get the leak stopped in a more efficient manner, saving time from the previous process of searching through paper maps and discerning the proper valves from the asbuilt drawings.



A hardcopy atlas of system valves, expensive and cumbersome, is no longer necessary.