

## **DPU RAW WATER MAINS BULLET POINTS**

- For testing and refurbishing the raw water mains that convey water from the low service pump station to the Collins Park Water Treatment Plant.
- Ordinances 211-13 and 475-16 funded initial work to determine the condition of the 78 inch and 60 inch raw water mains and refurbish structures, recoat exposed piping, and replace valves that protect the mains from damage due to pressure surges.
- Initial work consisting of pipe cleaning, internal inspections, and leak testing and have found that the mains continue to be water tight, the concrete lining installed in the 1960's is in need of localized repairs, and the pipe interior is in generally good condition. However, spot excavations of the steel main in areas of corrosive soils have found continued exterior pitting of the 78 inch steel pipe that has been ongoing since the main was installed in 1940.
- To extend the service life of both mains, additional testing using advanced technologies will be performed to obtain detailed data to determine the extent of external pipe corrosion along the entire length of the steel mains. Following an evaluation of the test data, recommended improvements to reline, replace, or a combination thereof will be provided to extend the reliable service life of the mains another 40 years or more.
- This ordinance reduces account balances remaining from the Basin 7 project and re-appropriates the funds to construct the alum system improvements.
- Funds authorized by this ordinance are available from the 2013 Water Bond issuance.
- The debt service to retire the Series 2013 Water Bonds is included in the current water rate model.