

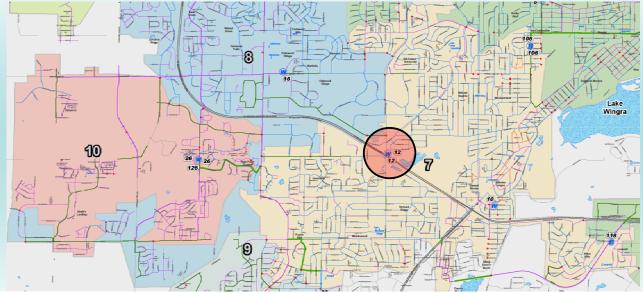
Well 12 Proposed Facility Design and Operational Evaluations

Presentation and Reports Prepared By:

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Project Background

- Recommendation of 2006 Water Master Plan to convert Well 12 to a two-zone well.
- Provide operational flexibility between Pressure Zone 7 and Pressure Zone 8 on the west side.



Project Description

- Installation of 2 new pumps, capable of pumping water to either Pressure Zone 7 or Pressure Zone 8.
- Building addition to enclose the new chemical feed rooms, bathroom, and deep well piping.
- Replacement of the well discharge piping.



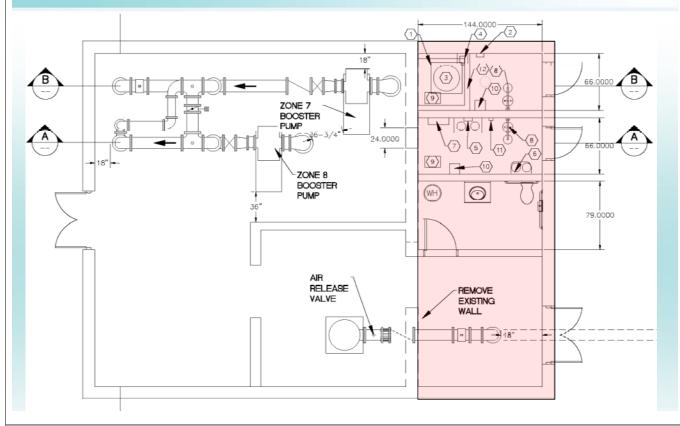




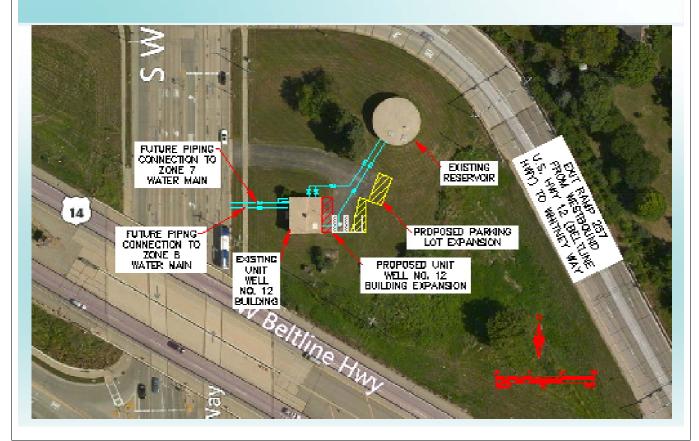
Project Description, cont.

- Addition of a pressure-reducing valve to allow water to flow from Zone 8 to Zone 7 if necessary.
- Associated piping and motor operated valves to allow station operation to be remotely controlled.
- Metering for the deep well, Zone 7 and Zone 8.
- Total replacement of electrical and control system.
- Installation of new pipelines for Zone 7 and Zone 8 on Whitney Way (separate contract).

Interior Piping and Pump Layout



Site Layout



Whitney Way Watermain Upgrades



- Separate contract.
- New 16" Pipeline for Pressure Zone 7.
- New 16" Pipeline for Pressure Zone 8.
- Construction to begin late summer, 2015.





Project Schedule

- Water Utility Board Meeting:
- BPW Approval of Plans:
- Bids Received and Opened:
- Award Approved by CC:
- Contract Signed:
- Construction Starts:
- Project Completion:

1/27/2015 4/08/2015 5/22/2015 6/16/2015 7/20/2015 8/01/2015 **6/01/2016**

*Note: Facility to be out of service from approximately 9/1/2015 to 5/1/2016. This will not cause system outages in the area.

Project Cost Update

<u>Cost Breakdowns</u>	
Well 12 Facility:	
 Building Expansion: 	\$200,000
 Piping and Equipment: 	\$388,000
 Engineering: 	\$82,000
 Total Facility Estimate: 	\$670,000
<i>Whitney Way Pipeline:</i>	¢2/1 000
 Total Pipeline Estimate: 	\$361,000
Overall Estimate:	