



pure[®]
TECHNOLOGIES



Canadian Water Network
BLUE CITIES 2016



global • innovative • sustainable • infrastructure management solutions

Data driven asset management

Reid McDougall – Pure Technologies

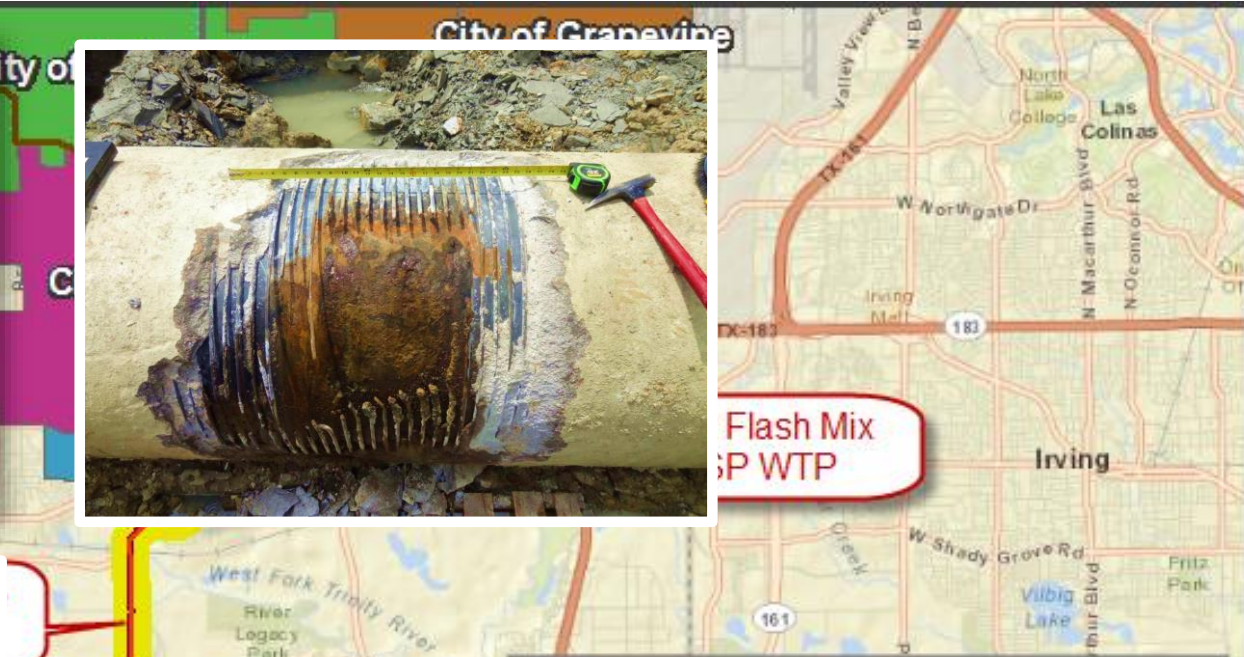
Resilient systems

1. Avoid failures

- Trinity River Authority: manage vs replace
- Integrate operational data

2. Recover quickly from failures

- The value of *system control*
- Manage the consequence of failures



Flash Mix Pipe WTP



Project area in yellow

RW Pump Station

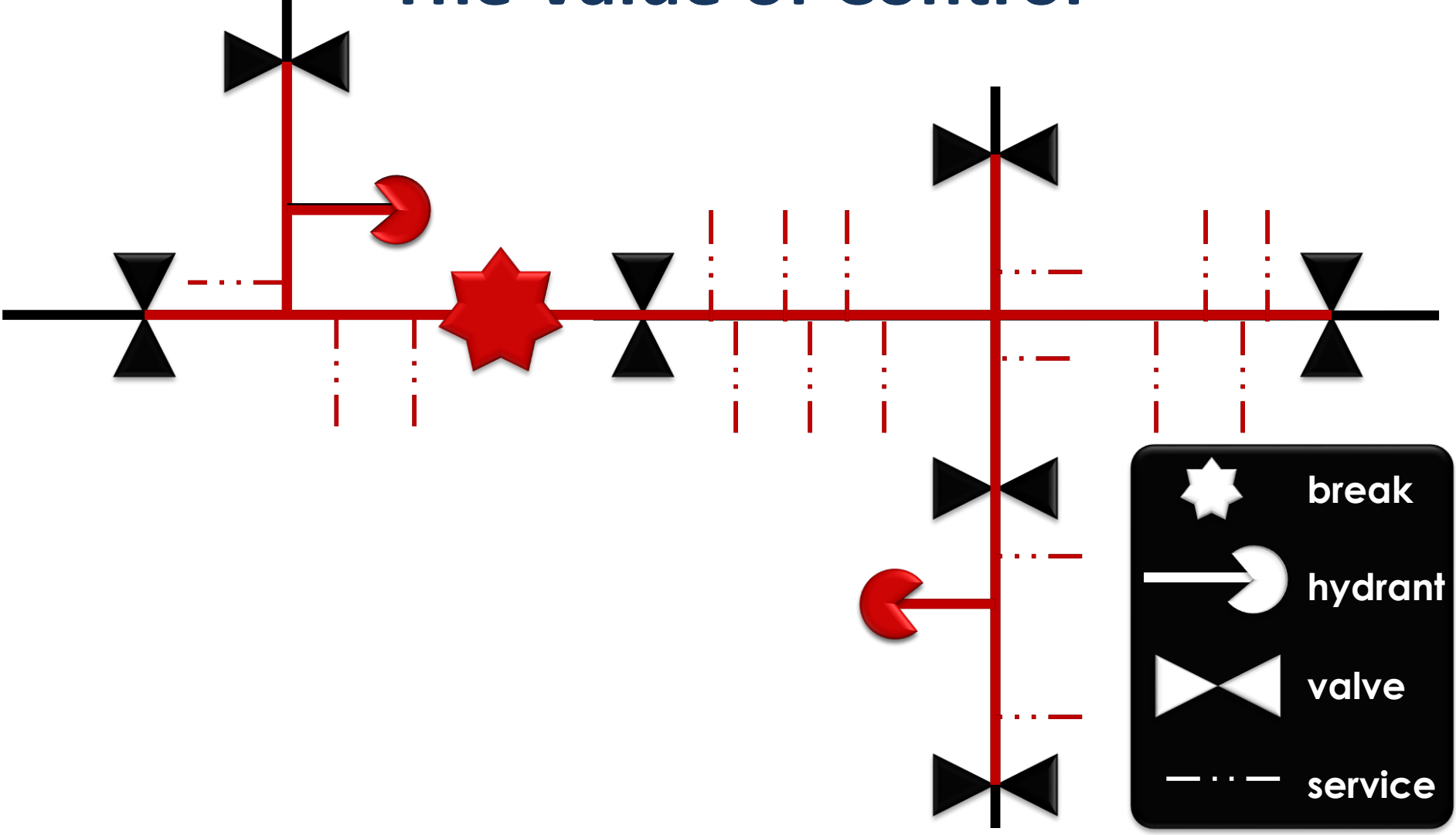
Tool Insertion at Valve Vault outside of Pierce-Burch WTP







TCWSP Condition Assessment of 30" Raw Water Pipeline

- 8.6 miles of 30-inch pretensioned concrete cylinder pipe
- Installed in 1973
- Engineering scope includes:
 - Transient pressure monitoring
 - Locate leaks and air pockets
 - Locate pipe cylinder corrosion
 - Identify broken bar wraps
 - Assess cathodic protection system
 - Structural engineering and modeling of pipe condition
 - Recommendations for repair, rehab, & replacement

The Value of Control



	break
	hydrant
	valve
	service

Thank you

- For more information:

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