

X-608A Well Field Turnover to the Village of Piketon

**Status Briefing
January 15, 2013**

X-608A Facility Water Line Bypass Project

X-608A Well Field Consists of Four Production Wells and Pipeline Header:

- One Active Well, Three Inactive Wells
 - 1000 GPM of raw water production
 - 100 HP Submersible Motor
 - Well depth: Approximately 80 Feet
- 4500 linear feet of 18”-diameter, cast iron piping

Typical X-608 Well with Vent Extension



01/15/2013

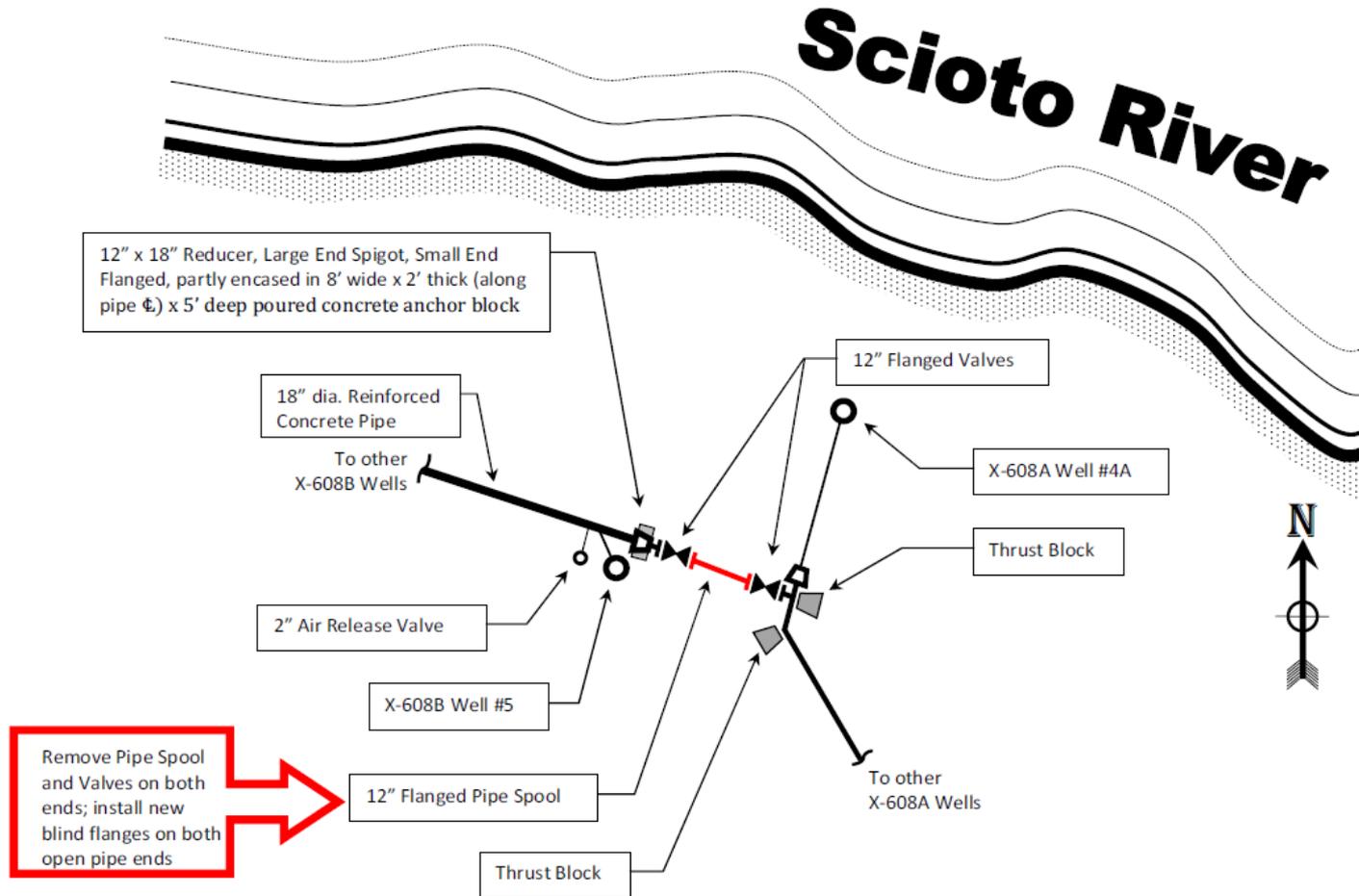
Project Roles/Responsibilities

- **DOE /RSI/WEMs**
 - Administrative
(e.g., Excess Property Process, Easement, Site Boundary Description Updates, etc.)
 - Regulatory Notifications
- **FBP**
 - Physical Isolation of X-608A Well Field
 - Installation of Bypass Piping - Isolate the X-608 Pump House
 - Coordination of Outage with Raw Water System Users

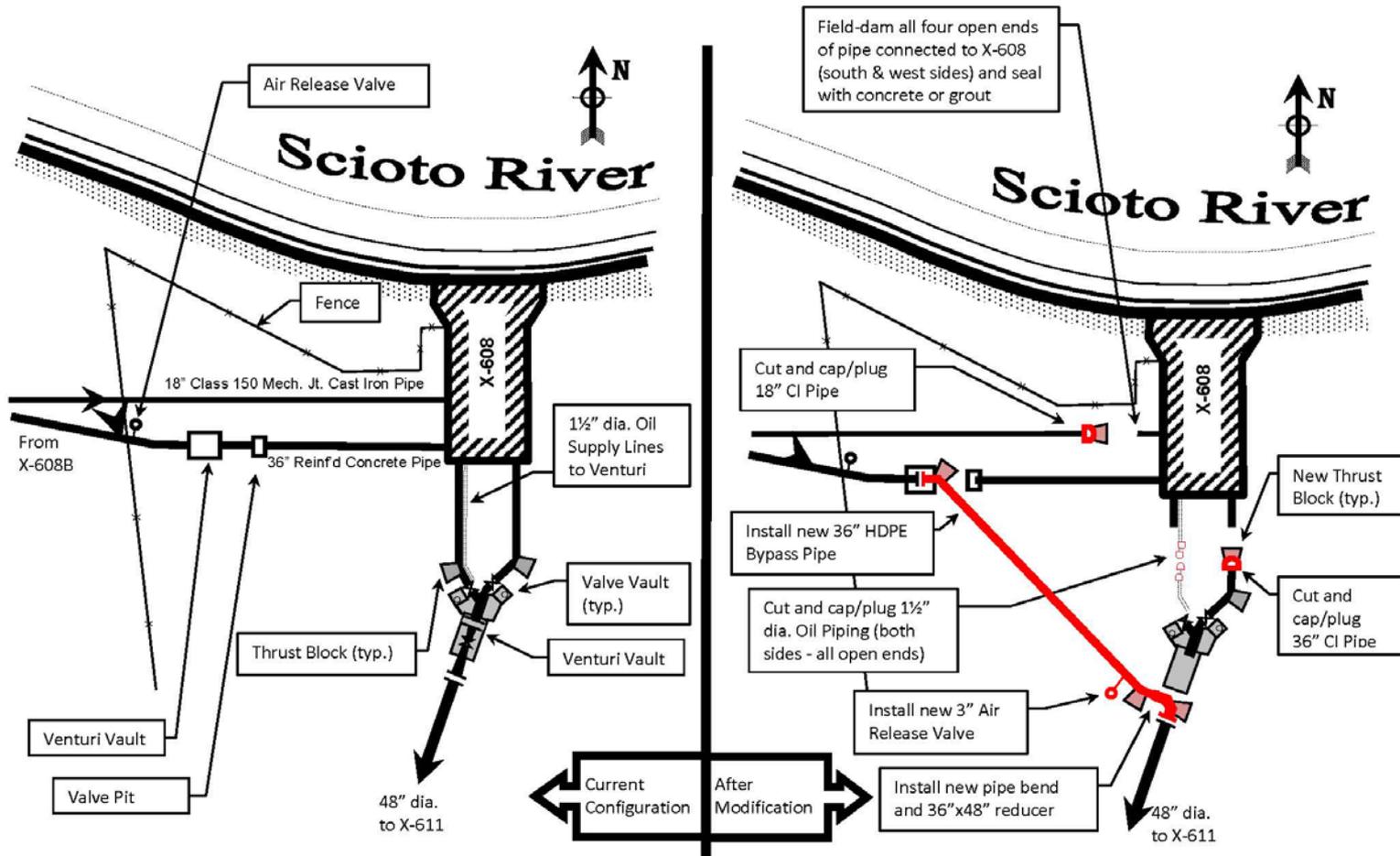
Project Scope of Work

- **Two Isolation Points:**
- **Location 1 – Well Field X-608A /X-608B Isolation**
- **Location 2 – X-608 Pump House**

Location 1-X-608A / X-608B Well Field Isolation



Location 2 – Pump House Isolation



01/15/2013

Challenges

- **60-year old Documentation**
 - Uncertainty of Materials of Construction and Configuration
 - Underground Utilities and Obstructions
- **Exploratory Excavations**
 - Required to Confirm As-built Conditions
- **Procurement of Long Lead Materials**
- **Coordination of X-230F Raw Water Supply Outage**
- **Endeavour Center Aquaculture Program**
- **Weather, Scioto River flooding**

Schedule

- **Kickoff Project** **December 2012**
- **FBP Complete Design** **January 2013**
- **FBP Complete Procurement** **March 2013**
- **FBP Mobilize Contractor** **April 2013**
- **FBP Complete Isolations** **June 2013**
- **DOE Turnover to Village of
Piketon** **July 2013**

Pike County Sewer Line Tie-in to X-6619 Sewage Treatment Plant

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Project Roles/Responsibilities

- **Pike County**
 - Engineering / Procurement/ Construction
 - Contractor Installs Sanitary Sewer Header to X-6619 Sewage Treatment Facility
 - Regulatory Notifications
- **FBP**
 - Provides PORTS Interface Support to Pike County
 - Performs Tie-in of new Header to X-6619
 - Coordinates Permits, Safety Analysis, As-built Drawings
 - Emergency Support

Project Status

- **FBP is Ready to Support Pike County**
- **FBP Project Support Team is identified**
- **FBP Awaits Final Construction Documentation from Pike County to finalize FBP Support Documents:**
 - FBP Work Plan for Sewer Line Tie-in to X-6619
 - Excavation / Penetration Permits
 - Schedule of Support

Opportunities for the Community

- X-608A Well Field will expand Village of Piketon capacity for future growth
- New Sewer Line expands Pike County capacity for future growth

Questions ?