

# Infrastructure Upgrades



**Fremont-Madison Irrigation District**



# Automation Update

2020

1. Crosscut head
2. Teton Splitter

2021

1. Egin
2. Independent
3. St. Anthony
4. St. Anthony Union Feeder
5. Recharge Canal Off of St. Anthony Canal

2023

1. Farmer Friend
2. Fall River Middle Branch (Off Crosscut)
3. Fall River North Branch (Off Crosscut)
4. Fall River East Branch (Off Crosscut)
5. Teton Island Feeder
6. Consolidated Farmers

2024

1. Salem Union
2. Fall River Canal (Main Branch)
3. Twin Groves
4. Rexburg Irrigation
5. Enterprise
6. Chester
7. Island Ward

2025

1. Check 3 in Crosscut
2. Two Checks Middle Branch Fall River Canal
3. Silky

Ready to go for 2026

1. Marysville Headgate
2. Marysville Split
3. Rexburg Irrigation Split
4. 14 Checks St. Anthony

**Fremont-Madison Irrigation District**











Before



After



**Fremont-Madison Irrigation District**



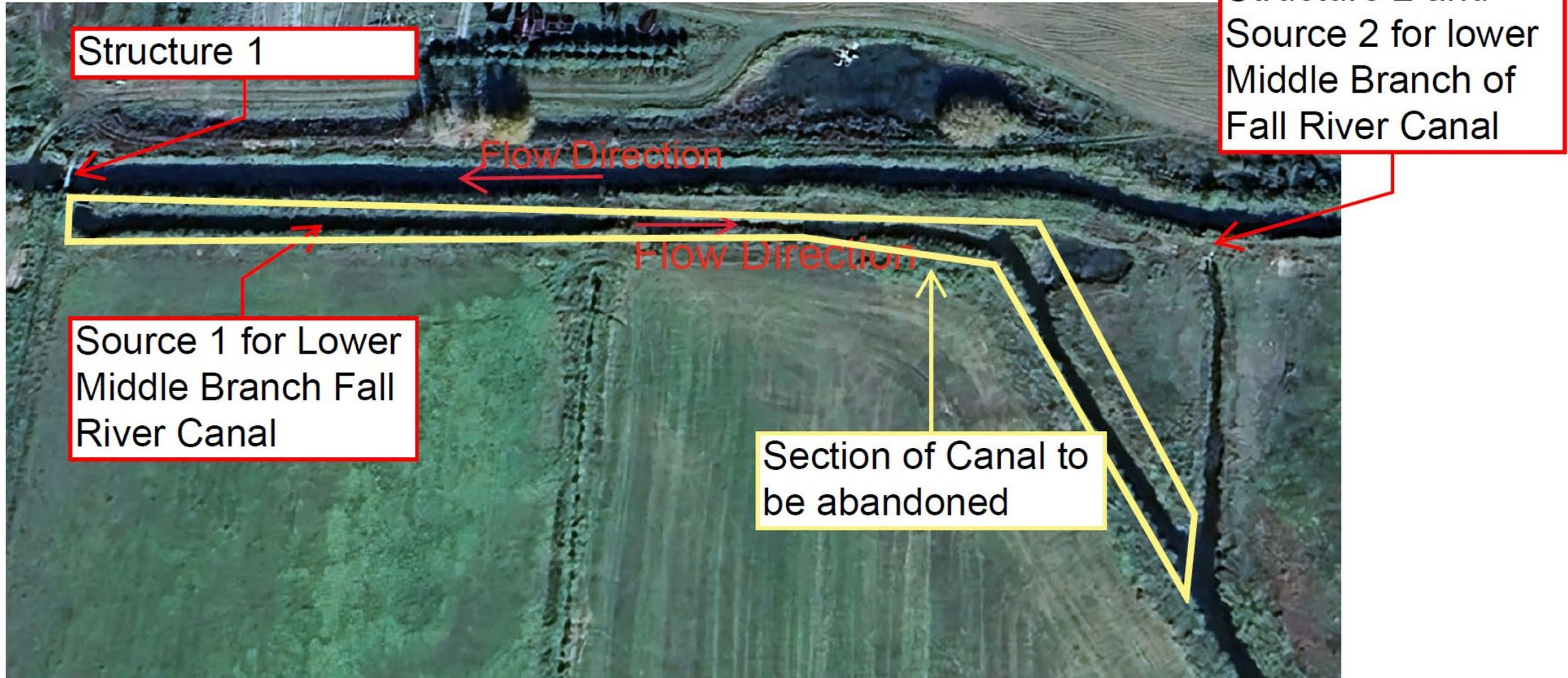
Before



After



Figure 4-SICC-Middle Branch Fall River Canal Automated Overshot Gates.





Before



After



**Fremont-Madison Irrigation District**



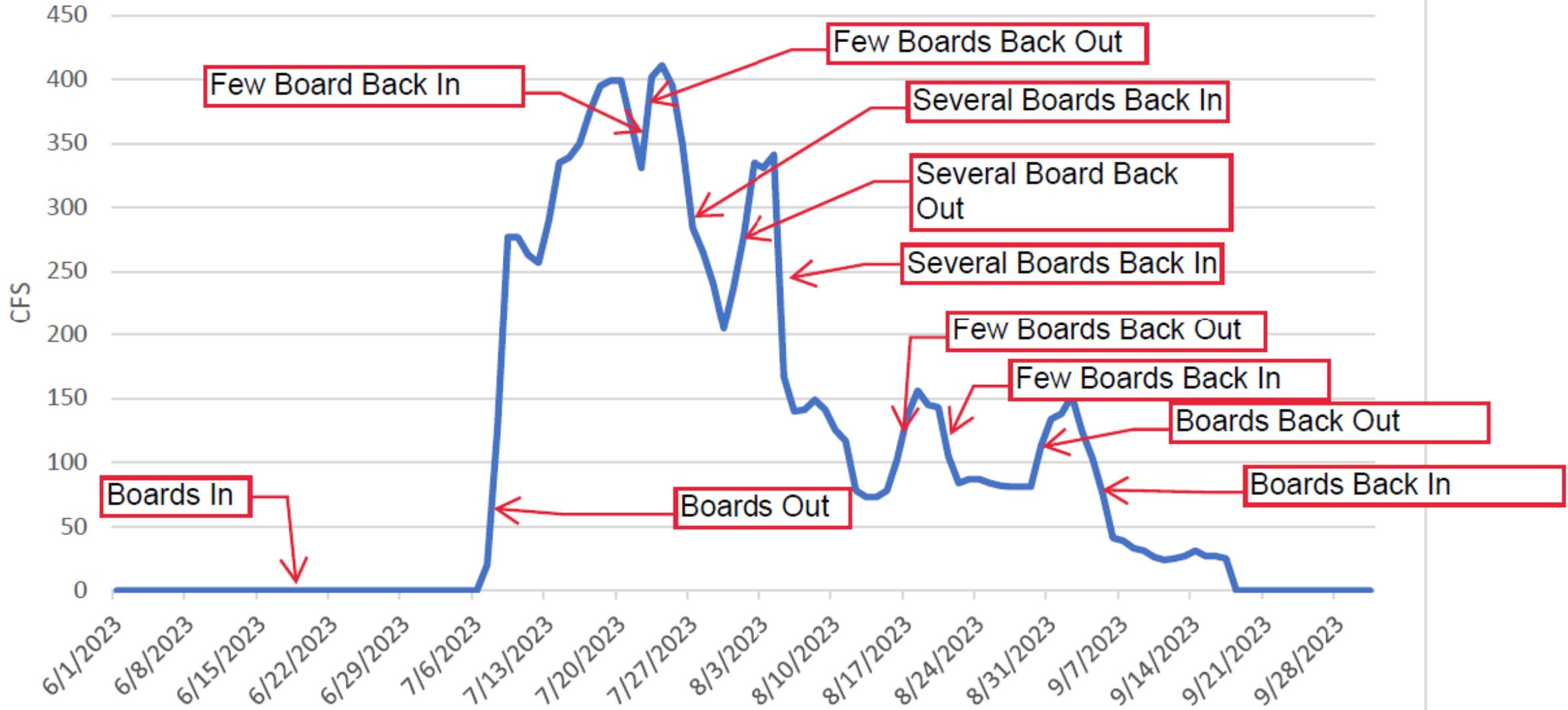




# Crosscut Check Structure Automation



# End of Crosscut Flow-2023





Crosscut  
Crossing

East Branch Fall  
River Canal to  
East Teton Canal

Madison Irrigation District





trict

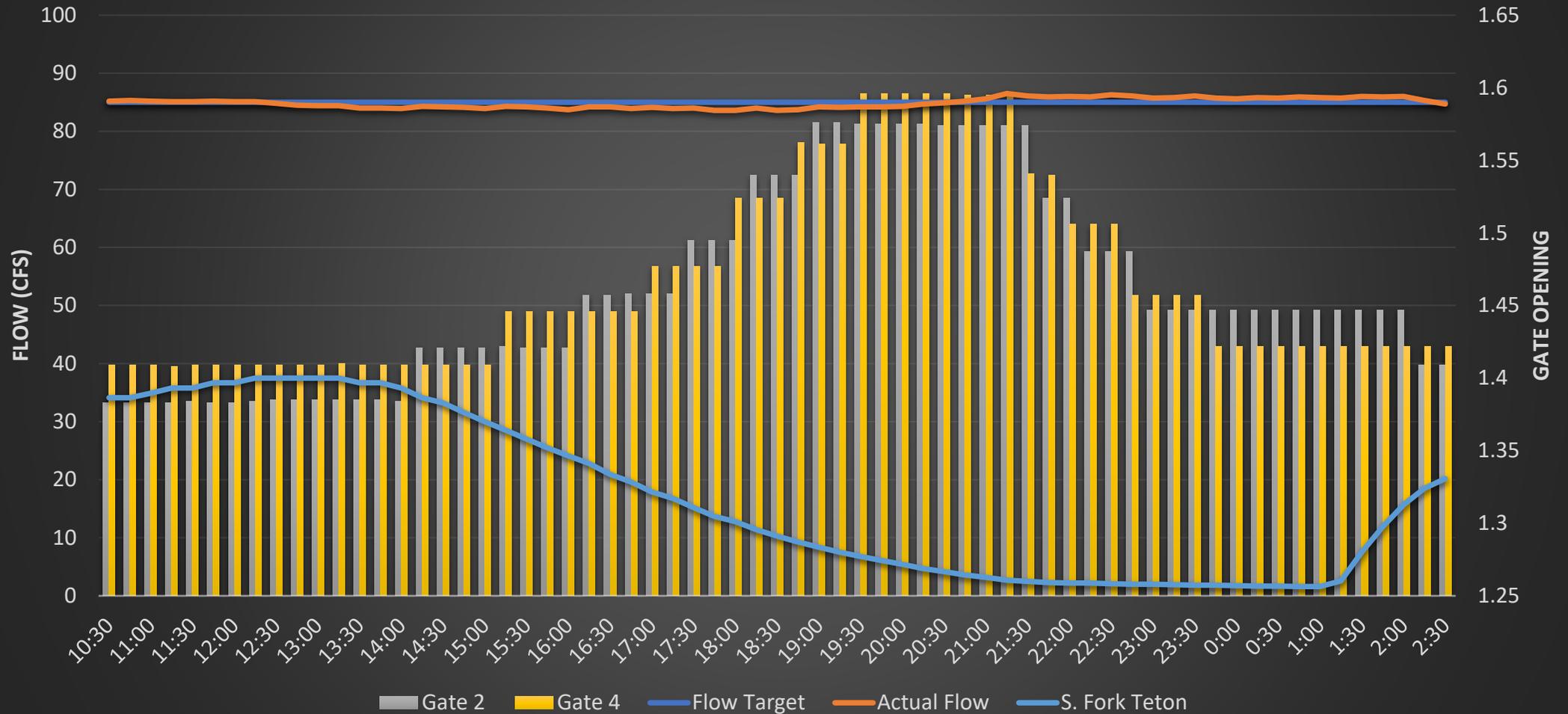




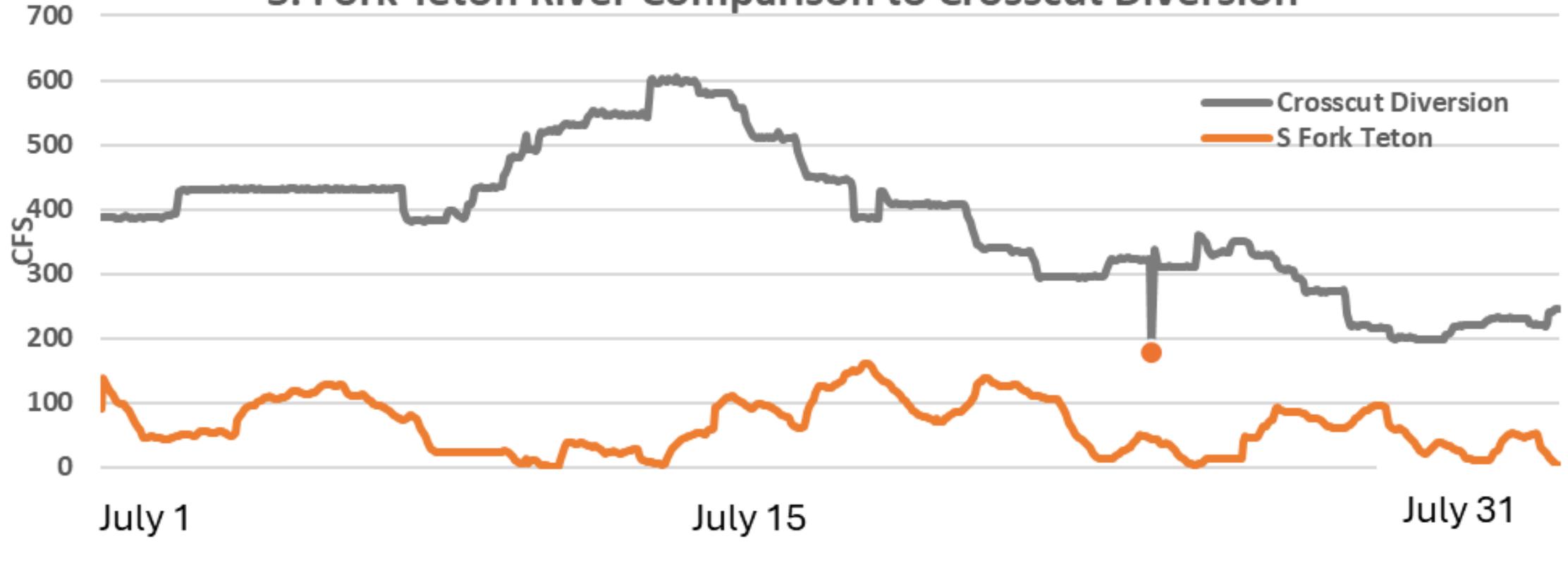
**Fremont-Madison Irrigation District**



# Rexburg Irrigation Canal Example August 8, 2024



## S. Fork Teton River Comparison to Crosscut Diversion



Fremont-Madison Irrigation District



# Automation Projects-

Not Including the St. Anthony Canal



28 Structures Automated (3 checks so far)

Funding Source	Amount
BOR WaterSMART	\$461,670.50
IWRB	\$187,256.85
Water Users	\$348,245.83
Total Cost	\$997,173.18

Fremont-Madison Irrigation District



# Fremont Madison Irrigation District

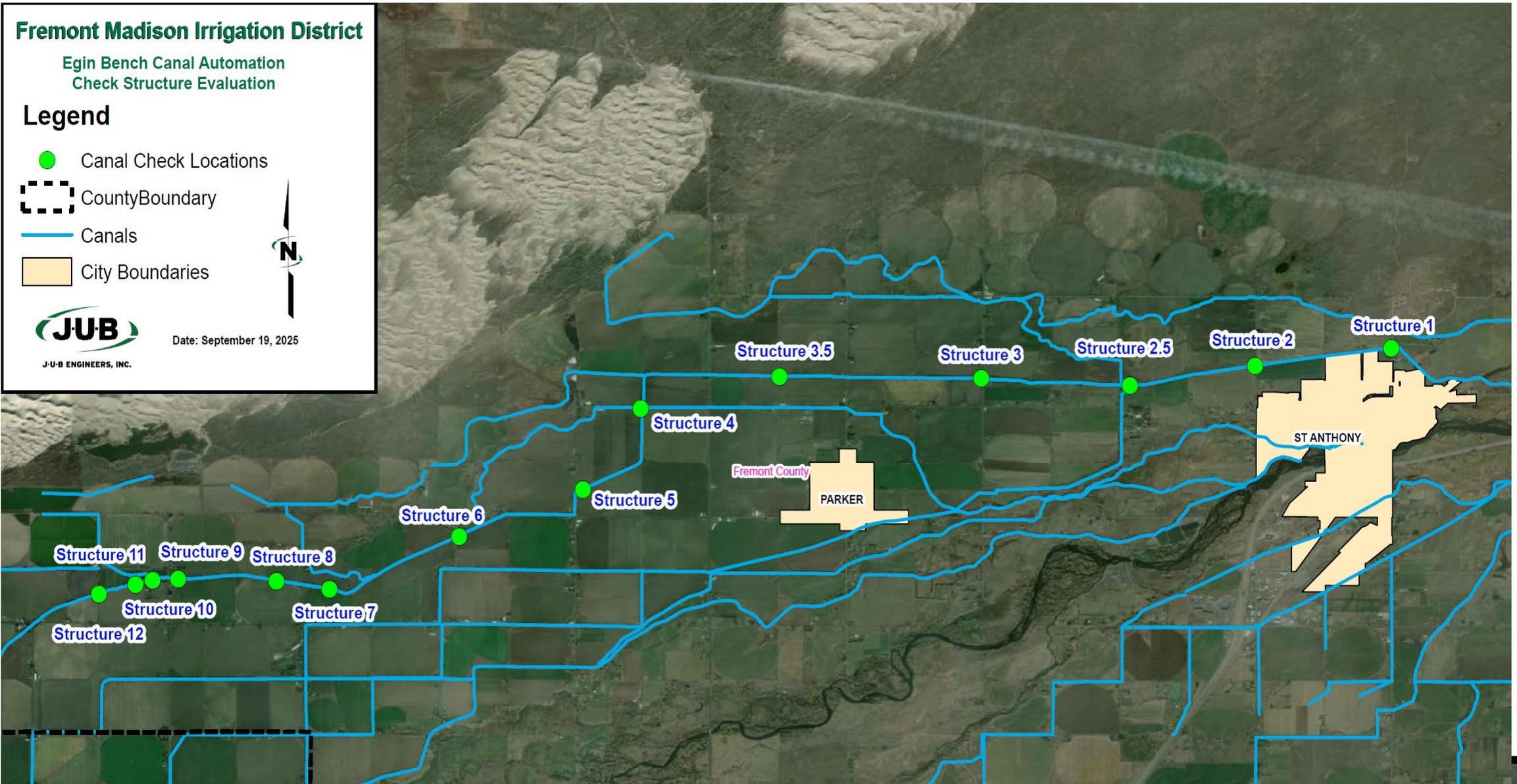
Egin Bench Canal Automation  
Check Structure Evaluation

## Legend

- Canal Check Locations
- ⋯ County Boundary
- Canals
- City Boundaries



Date: September 19, 2025

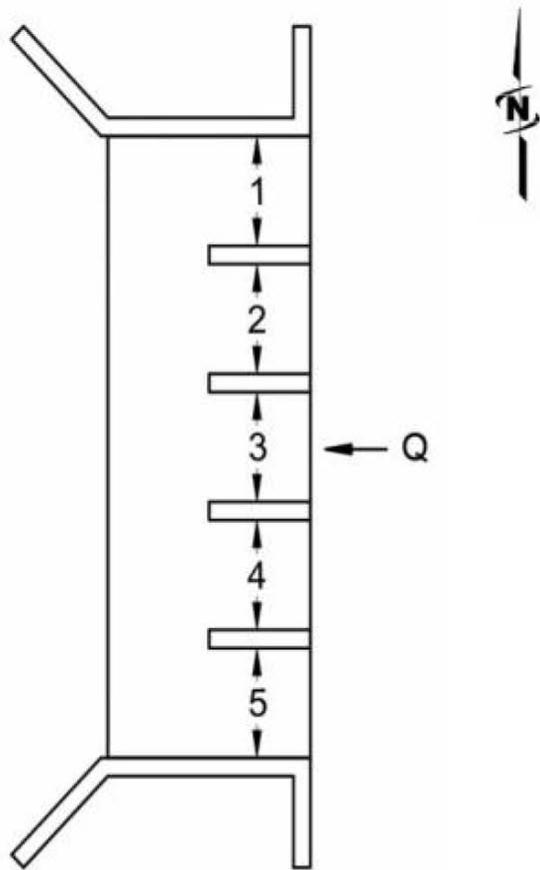


**Fremont-Madison Irrigation District**





ct



$$\text{Required No. of Gates} = \frac{Q_{\text{req}}}{\text{Average } Q_n}$$

<b>Required No. of Gates</b>	<b>4</b>
------------------------------	----------

\*Rounded up to the nearest whole number

**Check Photo:**



**Conclusion:**





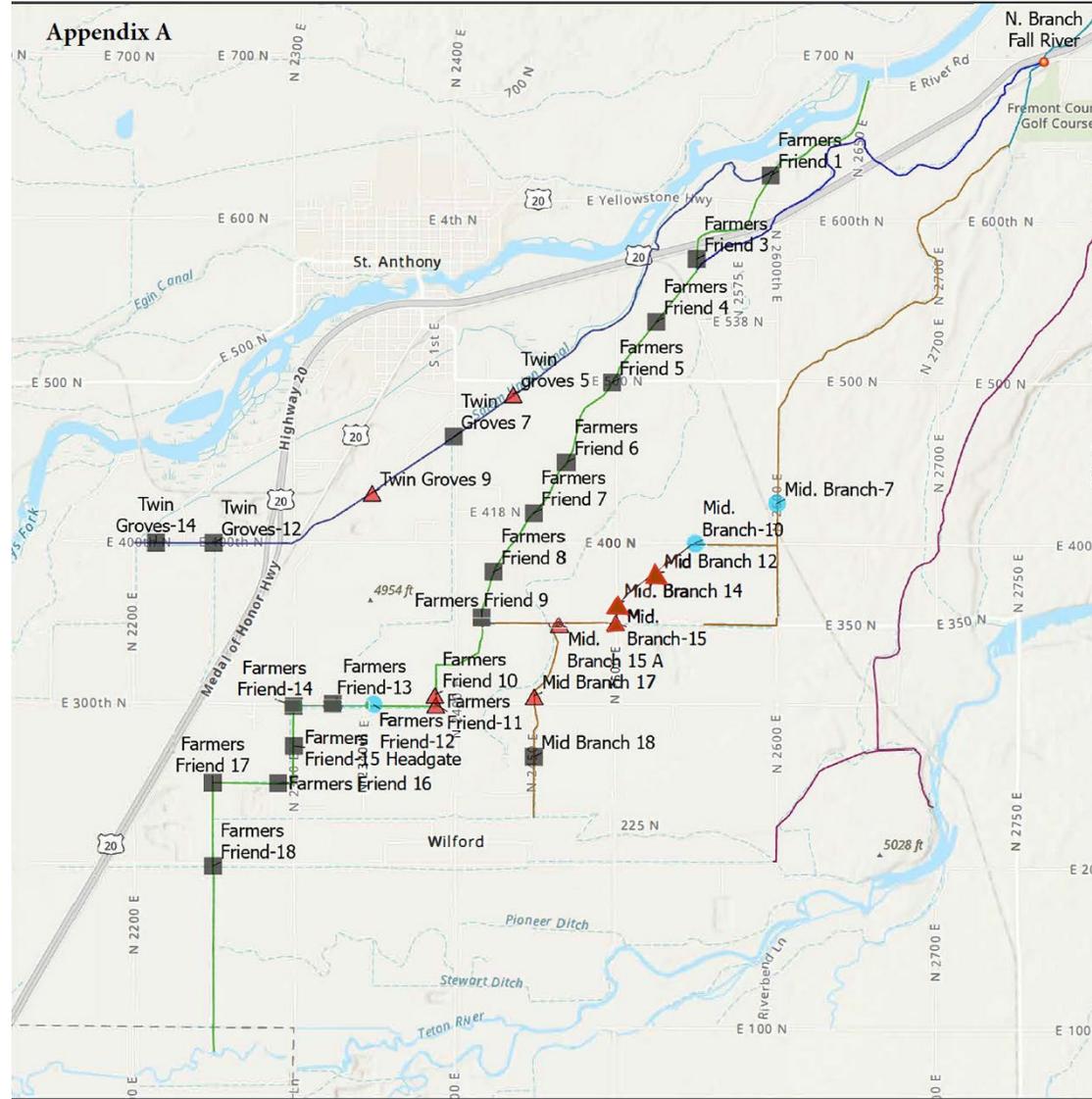






Irrigation District 

# SICC Infrastructure Upgrade Project



## Legend

Southeast Idaho Canal Company

- East Branch Fall River Canal
- Farmers Friend Canal

- Main Branch Fall River Canal
- Middle Branch Fall River Canal
- North Branch Fall River Canal
- Twin Groves Canal

### What\_Needs\_Replace

- Check Replacement only
- Headgate Replacement only
- ▲ Headgates and Checks Replacement
- Diversion Dam Replacement



rrigation District

Before



After



Before

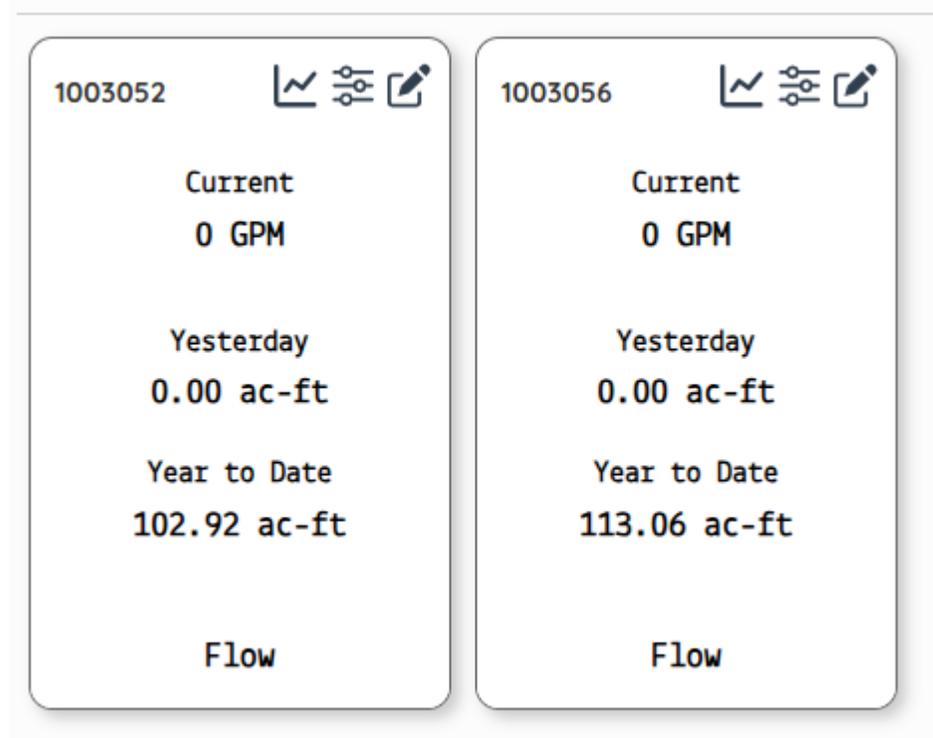


After



e

# Groundwater Diversion Telemetry



Henry Fork and Madison GWDs

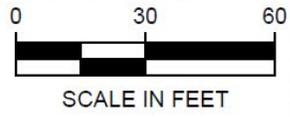
- Set up own network set up
- About 200 Flow Meters Telemetered



Some of the Things We are  
Working On







TETON ISLAND CANAL

TETON RIVER - NORTH FORK

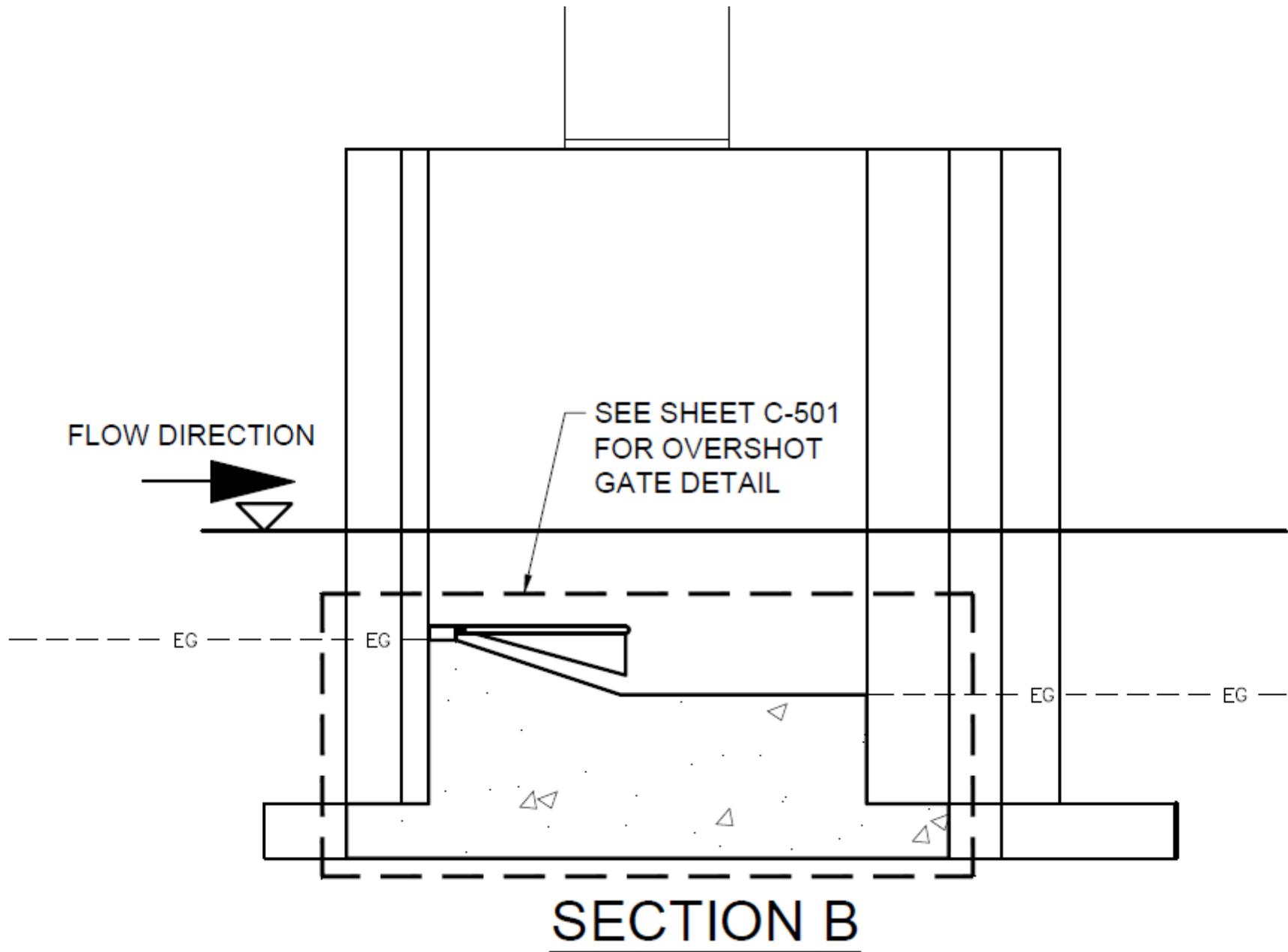
PROJECT LOCATION

EXISTING TETON ISLAND FEEDER  
IRRIGATION DIVERSION STRUCTURE

TETON



trict











**Fremont-Madison Irrigation District**



# Grassy Lake Fill Spring/Summer 2023

