



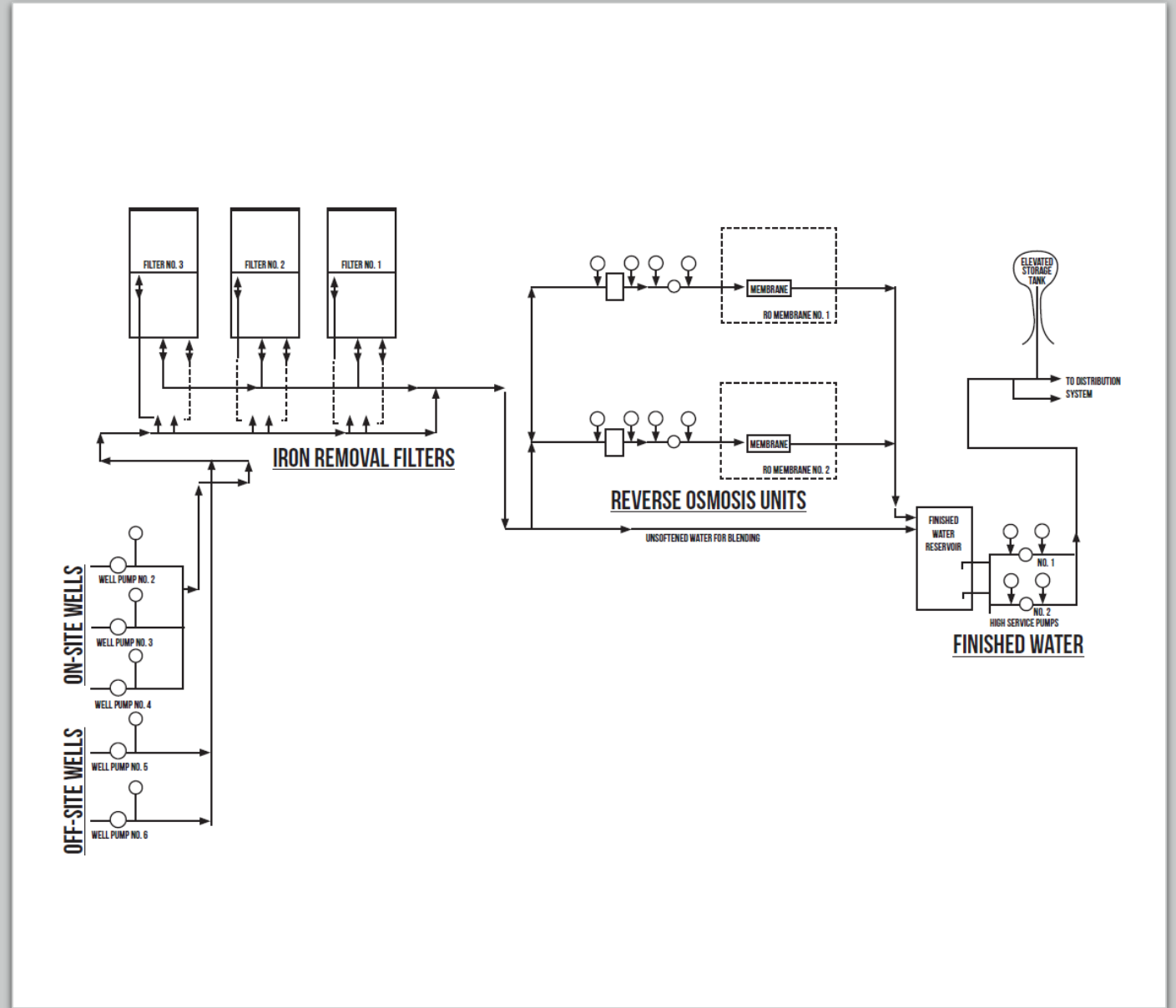
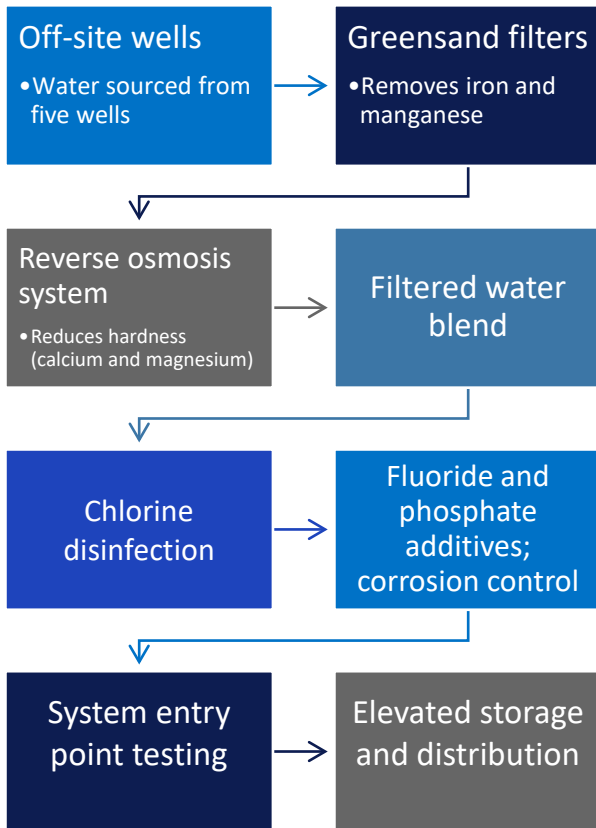
Saline

WATER TREATMENT TOWN HALL

NOVEMBER 14, 2023

SALINE CITY HALL

CURRENT WATER TREATMENT PROCESS



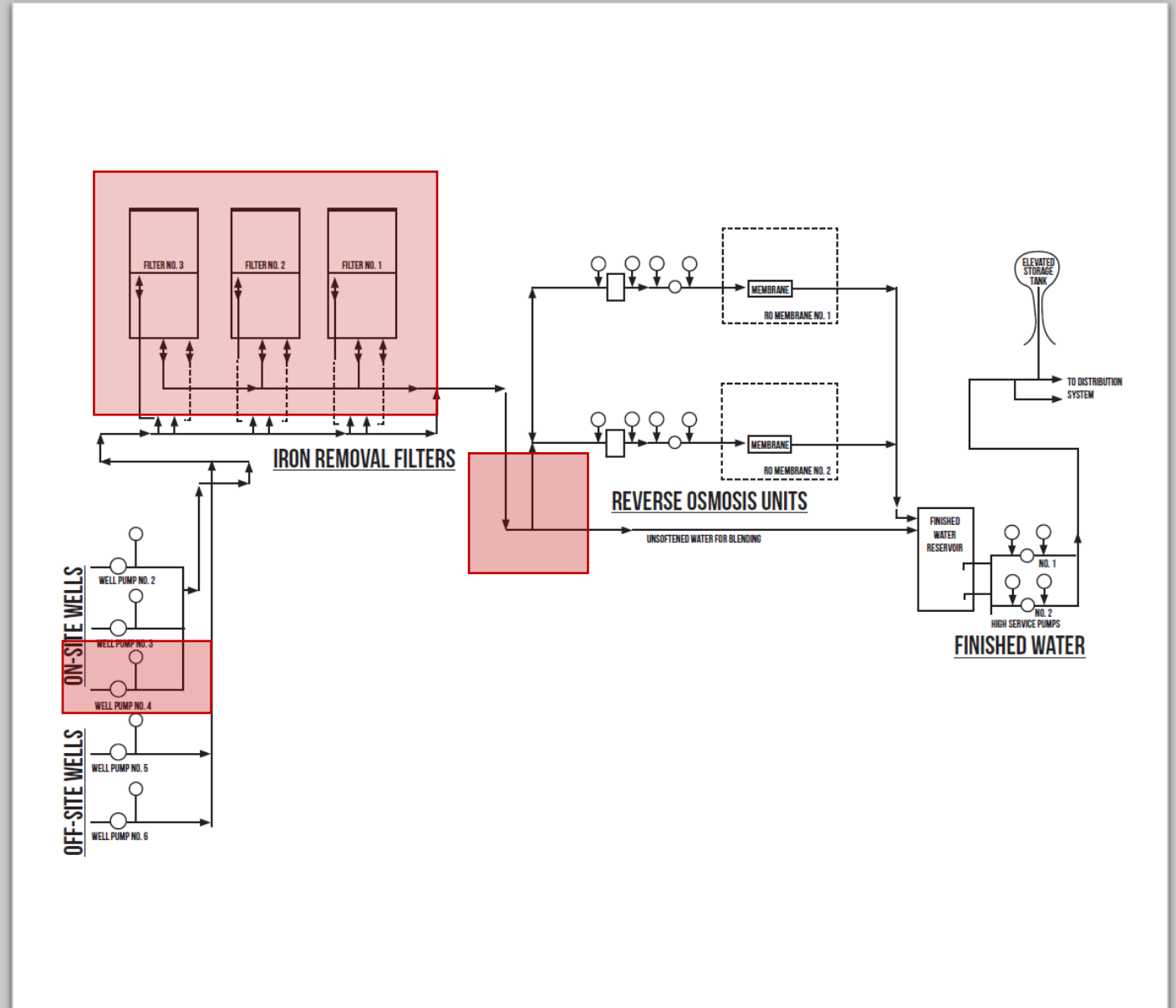


WATER QUALITY TESTING

- Routine regulatory compliance testing
 - Daily testing of system entry point for hardness, iron, pH, phosphorus, chlorine, and fluoride
 - Twelve monthly tests for bacteria and residual chlorine throughout the distribution system
 - This level of testing is in excess of state minimum requirements
 - Four monthly distribution system tests for pH, alkalinity, sulfate, chloride, and orthophosphates
 - This level of testing is in excess of state minimum requirements
 - Annual or semi-annual testing in accordance with other state requirements such as for unregulated contaminants or highly regulated contaminants like lead
 - No violations of monthly or daily water quality testing parameters
- Target parameters
 - Higher than average hardness levels
 - Up to 400 mg/l when average range is 110 to 130 mg/l
 - Higher than average iron levels
 - Intermittent range of .9 mg/l to 2.38 mg/l (prior month was .03 to .14 mg/l)

CURRENT CONDITIONS

- Well #7
 - Temporary reduction in capacity
 - Extensive testing, permitting required
 - Expected online first quarter 2024
- Iron Filter Rehabilitation
 - Three tanks undergoing rehabilitation and replacement of filter media
 - Significant improvement to iron and manganese removal following completion
 - Currently operating one of three units resulting in high iron output
 - Expect two units in operation by end of November
 - Expect all three units in operation by year end
- RO Flow Meter Replacement
 - Unplanned repair following meter malfunction
 - Replacement component ordered; units bypassed
 - Expected completion early to mid-December





MITIGATION EFFORTS

- Running extended plant operation schedule to manually monitor RO units
- Performing additional backwashing of sand filters as needed
- Spot hydrant flushing, weather permitting
- Mapping water clarity complaints to track hot spots in the system

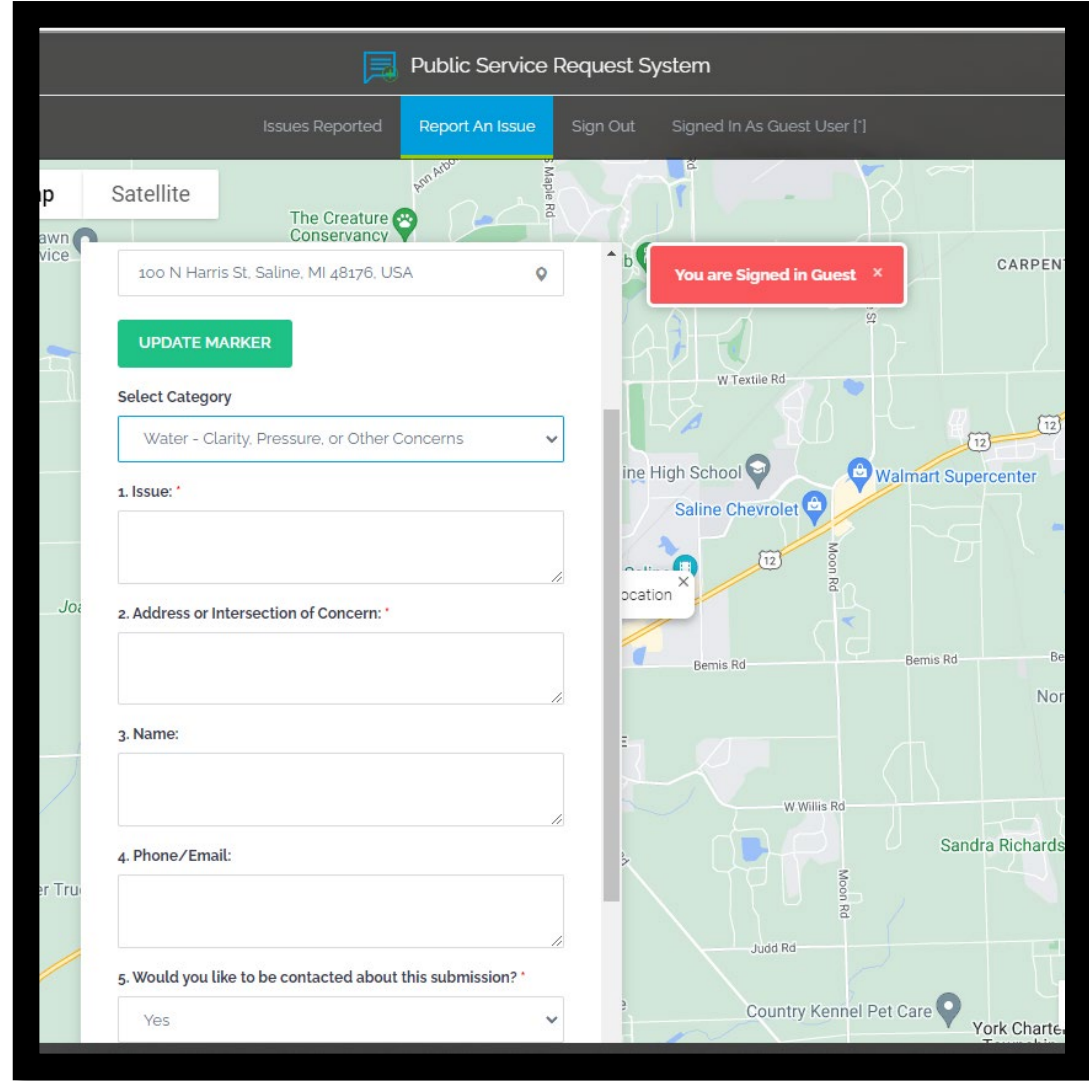


NEXT STEPS

1. Complete greensand media filter rehabilitation
 - Expected December 2023
 - At least two units should be online before end of November
2. Complete RO unit repairs
 - Expected December 2023
 - Return to service is immediate
3. Flushing throughout water system
 - Major lines and water tower
 - Promotes water turnover in the system to draw out hard water
 - Likely mid-December 2023 (weather dependent)
4. Complete installation of Well #7
 - City-wide hydrant flushing to draw discolored water and sediment out of the system
 - Target spring 2024, requires several day period above freezing temps
5. Completion of Water Reliability Study

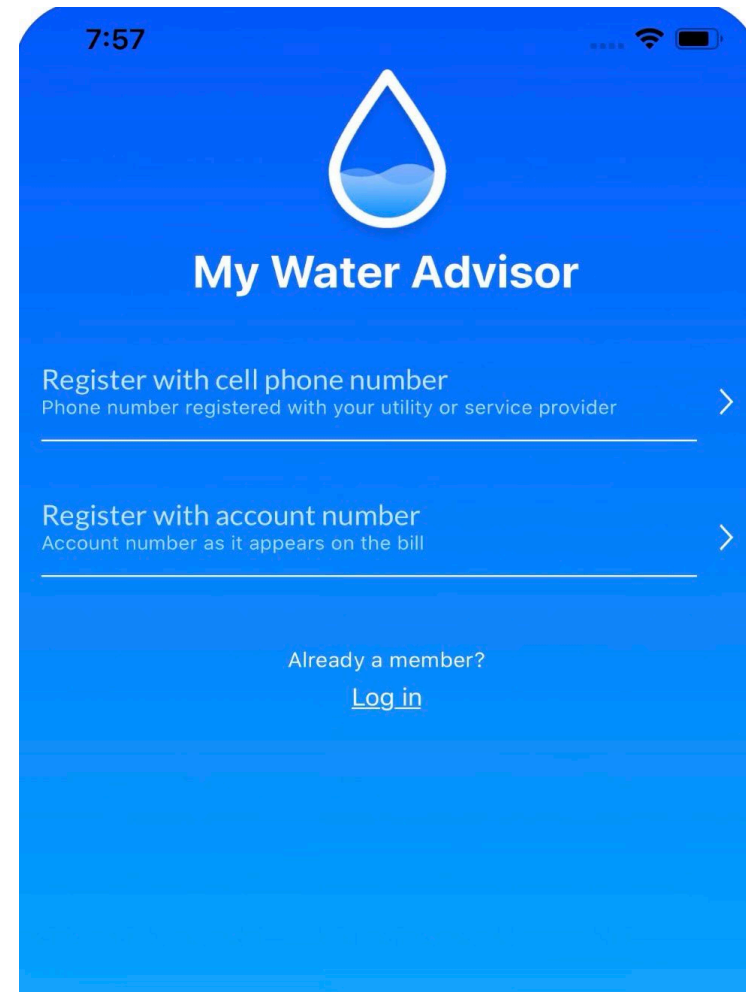
REPORTING ISSUES

- Submit anytime water is significantly discolored and/or experiencing high levels of hardness
- Select “Water – Clarity, Pressure, and Other Concerns”
- Depending on the volume of submissions it may not be possible to return every submission with a call or email
- All results are recorded and aggregated to create a geodatabase



SIGN UP FOR MYWATER APP

- Track your usage in real-time
- Set leak detection and vacation alerts
- Geofenced notification capabilities
- Two-way communication
- <https://mywateradvisor2.com/>



QUESTIONS?

OR CALL SALINE CITY HALL

(734)429-4907

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