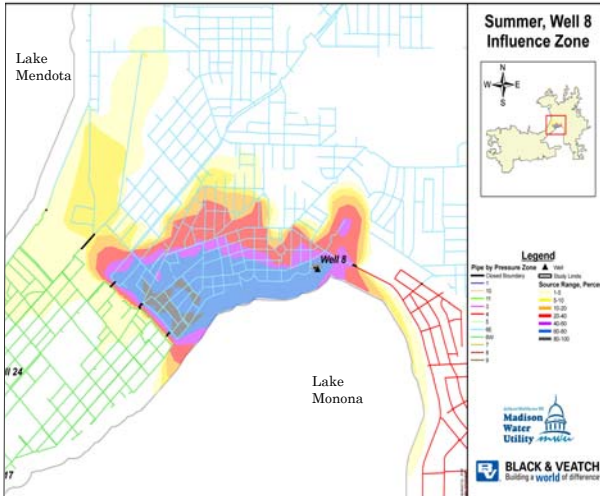



Well 8

What are the Well 8 Issues?

- Iron and Manganese Filtration needed
- Larger Reservoir
- Facility at End of its Useful Life
- Located in Olbrich Park
- Potential impacts from Madison Kipp

Current Well 8 Service Area







Well 8

Existing Site Plan



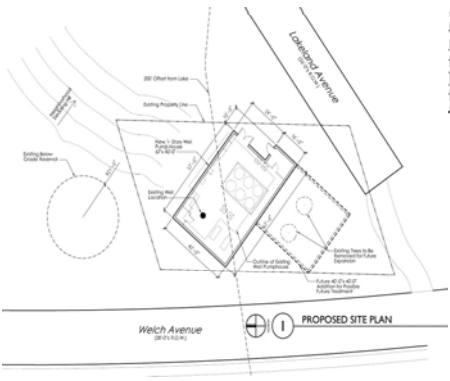
Existing Facility



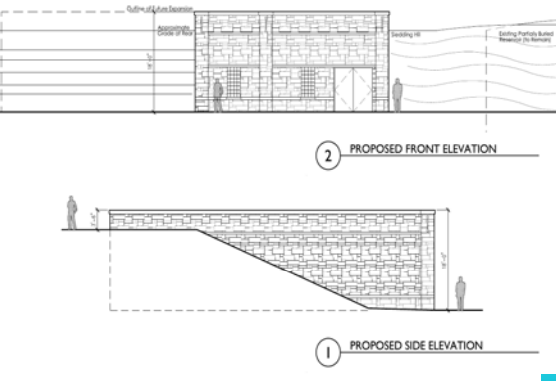
Well 8

Objective – Install filtration on existing Water Utility Property
-Minimal Impact






① PROPOSED SITE PLAN

Option 1




② PROPOSED FRONT ELEVATION

① PROPOSED SIDE ELEVATION

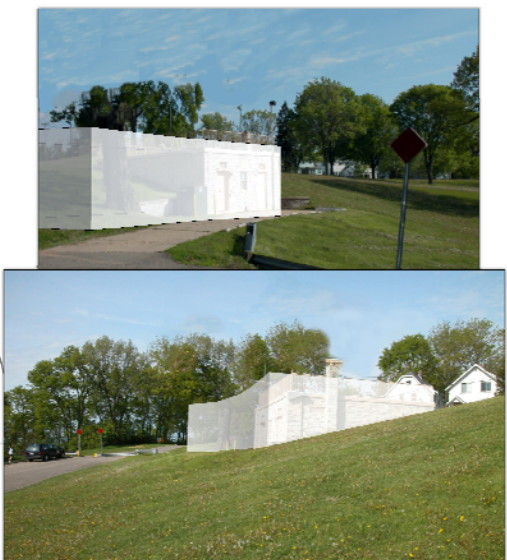
Well 8




Objective – Construct Filter, a New Reservoir, and Future Options for a Recreational Use Facility



① PROPOSED SITE PLAN

Option 2




Well 8

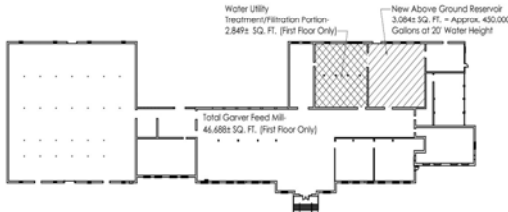
Option 3 – Move Offsite to Garver?

Route to Offsite Location




Considerations

1. ½ mile long 16-inch transmission main = \$500,000+
2. Garver Feed Mill restoration costs
3. Well building would remain in Olbrich Park
4. Additional energy and operations cost



Garver Feed Mill Floor Plan



Well 8 Treatment Facility Evaluation Criteria	Option 1 Onsite Treatment	Option 2 Onsite Treatment w/ New Reservoir	Option 3 Treatment System within a Rehabilitated Garver Facility
Objective	Filter and Facility Upgrade & limited park impact	Treatment, new pump station and new reservoir	New pump station, treatment and reservoir. Partially restores landmark structure
Park Considerations			
Impact on Sledding Hill	None	Minimal	None
Impact on Open Space	Minimal	Two trees removed	None
Room for Landscaping	Plenty	Moderate	N/A
Screening Opportunities	Moderate	Few	Hidden within Garver Facility
Facility Considerations			
New Reservoir	No (Reuse existing)	Yes (400,000 Gallons +/-)	Yes (400K to 500K Gallons)
Expansion Room Available for Possible Future VOC Treatment	Yes, with Removal of two trees	Yes, with Referendum	Yes, Present Plans only use 13% of Garver Building Area
Schedule Considerations			
Need for City-wide Referendum	No	Referendum required at time of facility expansion	Garver is within 200' of Startweather Creek. Referendum required
Other issues	Limited space, reservoir replacement only delayed	Limited space, potential park impact	Need to rehab 25% of Garver Need to construct pipeline
Neighborhood Acceptance	Moderate - Sledding hill not impacted	Moderate -Sledding hill not impacted -Opportunity for park improvements	Moderate -Park unchanged -Partial restoration of Garver could attract private investment
Cost			
Filter and Pump Sta.	\$4M-\$4.5M	\$4M-\$5M	\$5M - \$6M
Reservoir	N/A	\$1.0 M	\$1.0 M
Other Costs	N/A	N/A	\$2.5 M
Total Price	\$4 M to \$4.5 M	\$5 to \$6 M	\$8.5 to \$9.5 M