

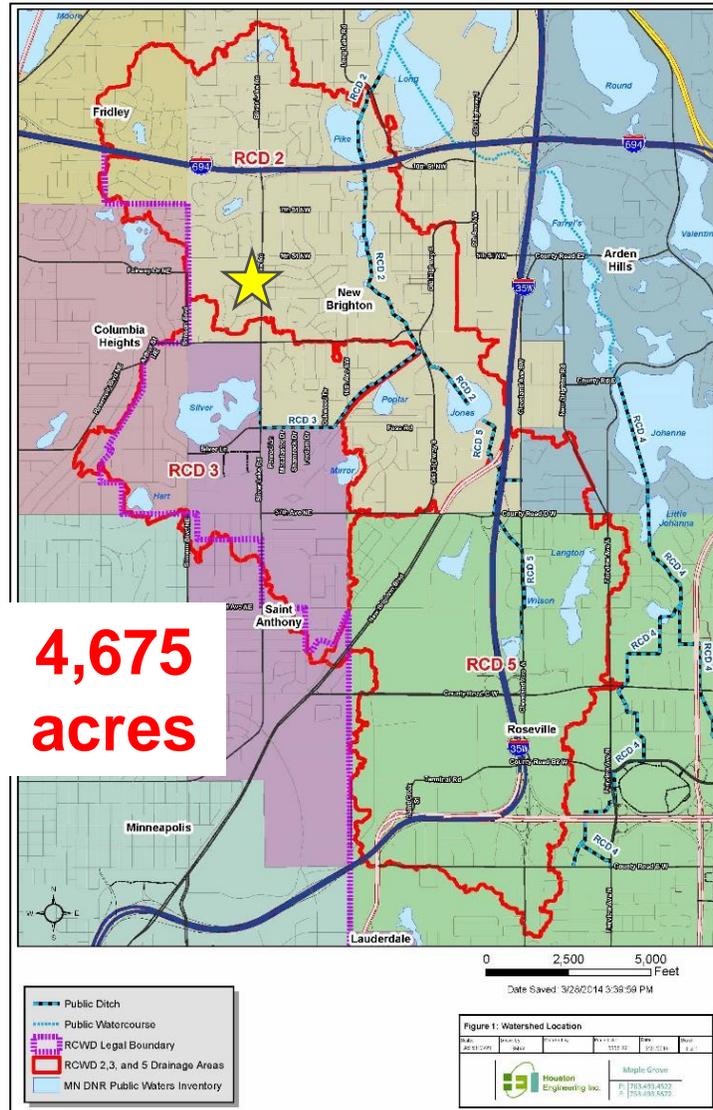


Hansen Park Comprehensive Water Management Project

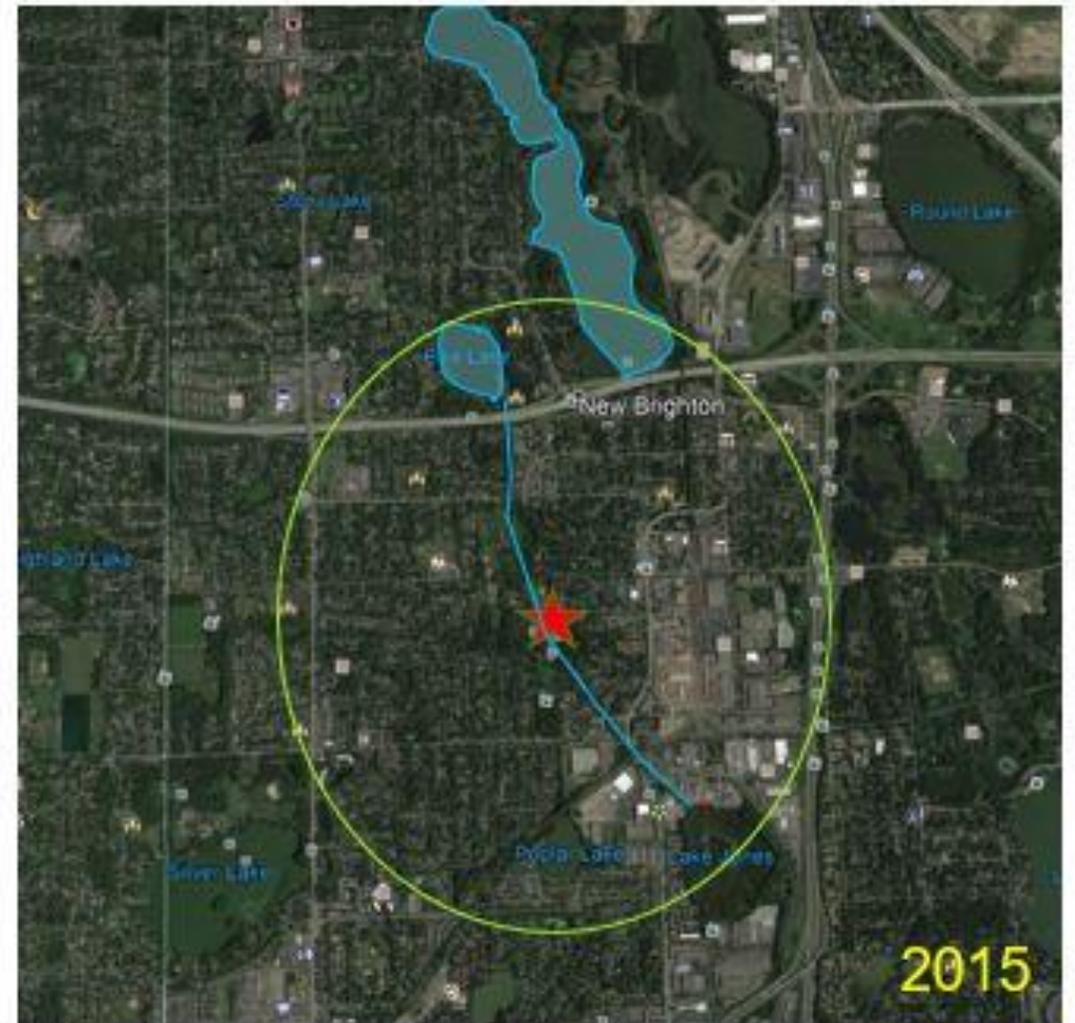
Beth Carreno - Rice Creek Watershed District | Dennis McAlpine, PE - Houston Engineering, Inc.



PROJECT LOCATION & HISTORY



PROJECT LOCATION & HISTORY



LONG LAKE FLOODING & WATER QUALITY PROBLEMS



July 15, 2011: 7+” of rain in 4 hours





There was a need for a comprehensive project to address urban flooding and water quality issues without sacrificing recreational opportunities or wildlife habitat in a regionally vital community park.

THE HANSEN PARK PROJECT TEAM



RCWD
Kyle Axtell



HEI
Dennis
McAlpine



Rachel
Contracting
EPG



City of New
Brighton
Craig
Schlichting
Parks Board



THE HANSEN PARK PROJECT TEAM



PROJECT COMPONENTS



PUBLIC ENGAGEMENT & COMMUNICATION

- Neighborhood meetings
- Numerous Parks Committee and City Council meetings
- 4 years at the New Brighton Community Open House
- Multiple neighborhood-wide mailings
- Community press and newsletters



DESPITE PUBLIC OUTREACH EFFORTS

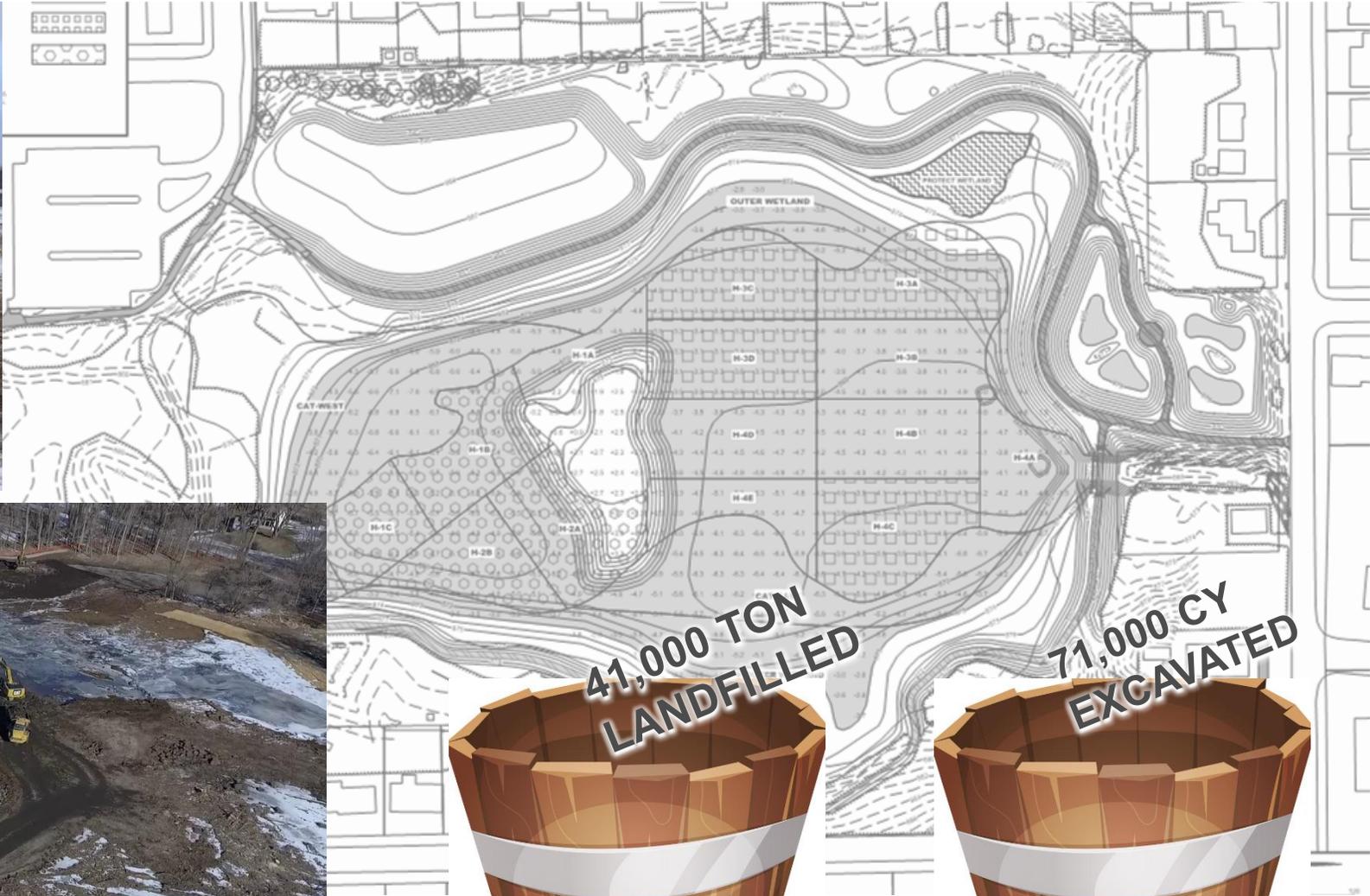
Overwhelming public support for an overwhelmingly positive project can be swamped on social media by a few vocal people who don't understand, believe, or like components of the project.



POND DREDGING & EXPANSION



POND DREDGING & EXPANSION



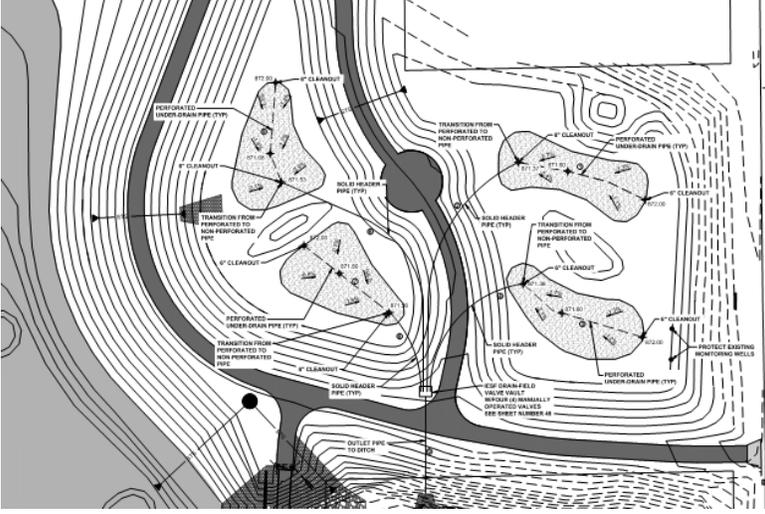
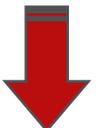
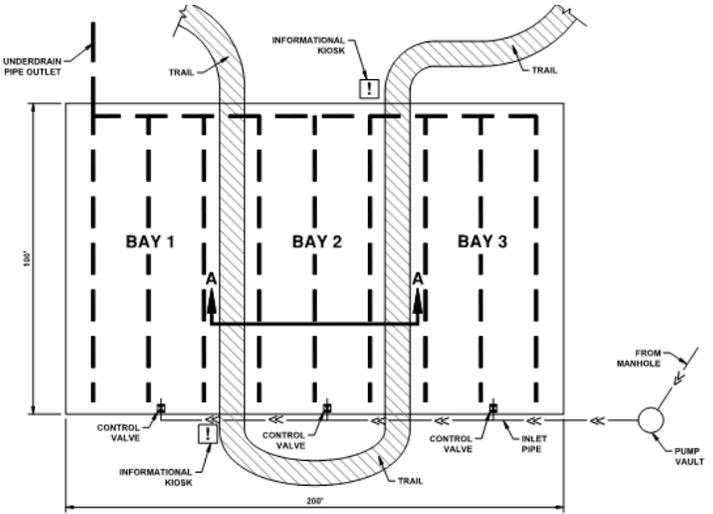
BLANDING'S TURTLE



DAM RECONSTRUCTION



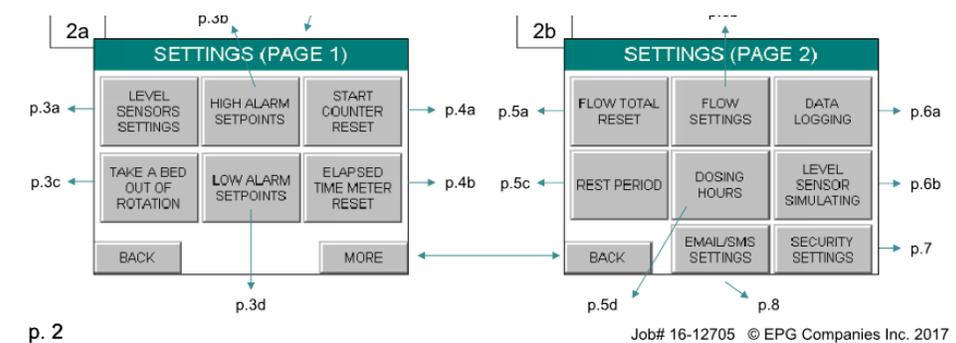
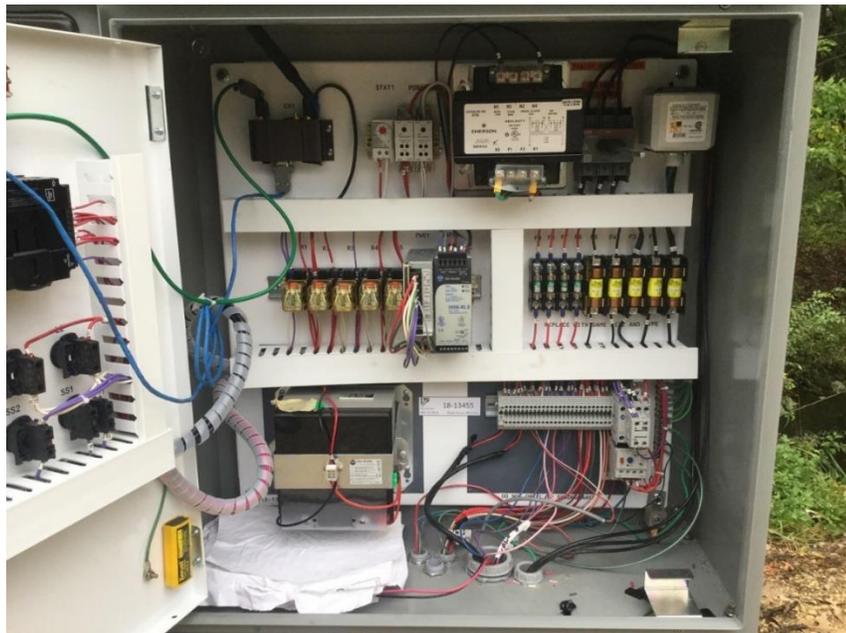
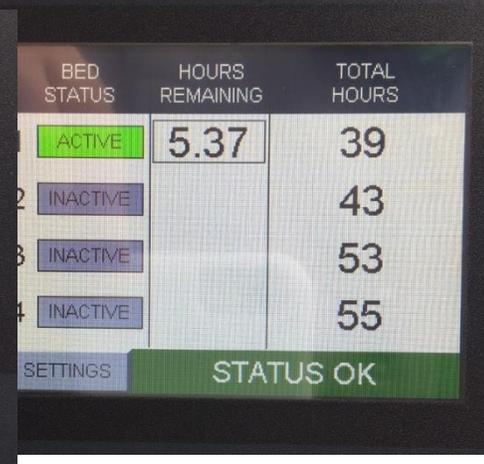
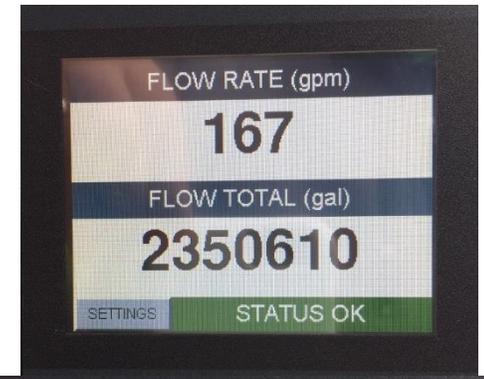
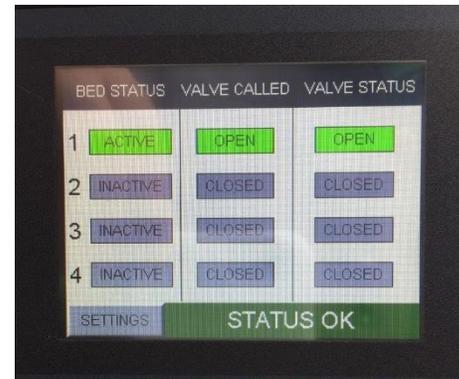
IRON-ENHANCED SAND FILTER (IESF)



UNIQUENESS OF IESF DESIGN



UNIQUENESS OF IESF DESIGN



RAISED PARK TRAIL ELEVATIONS



VEGETATION AND HABITAT IMPROVEMENTS



CHALLENGES AND SET-BACKS



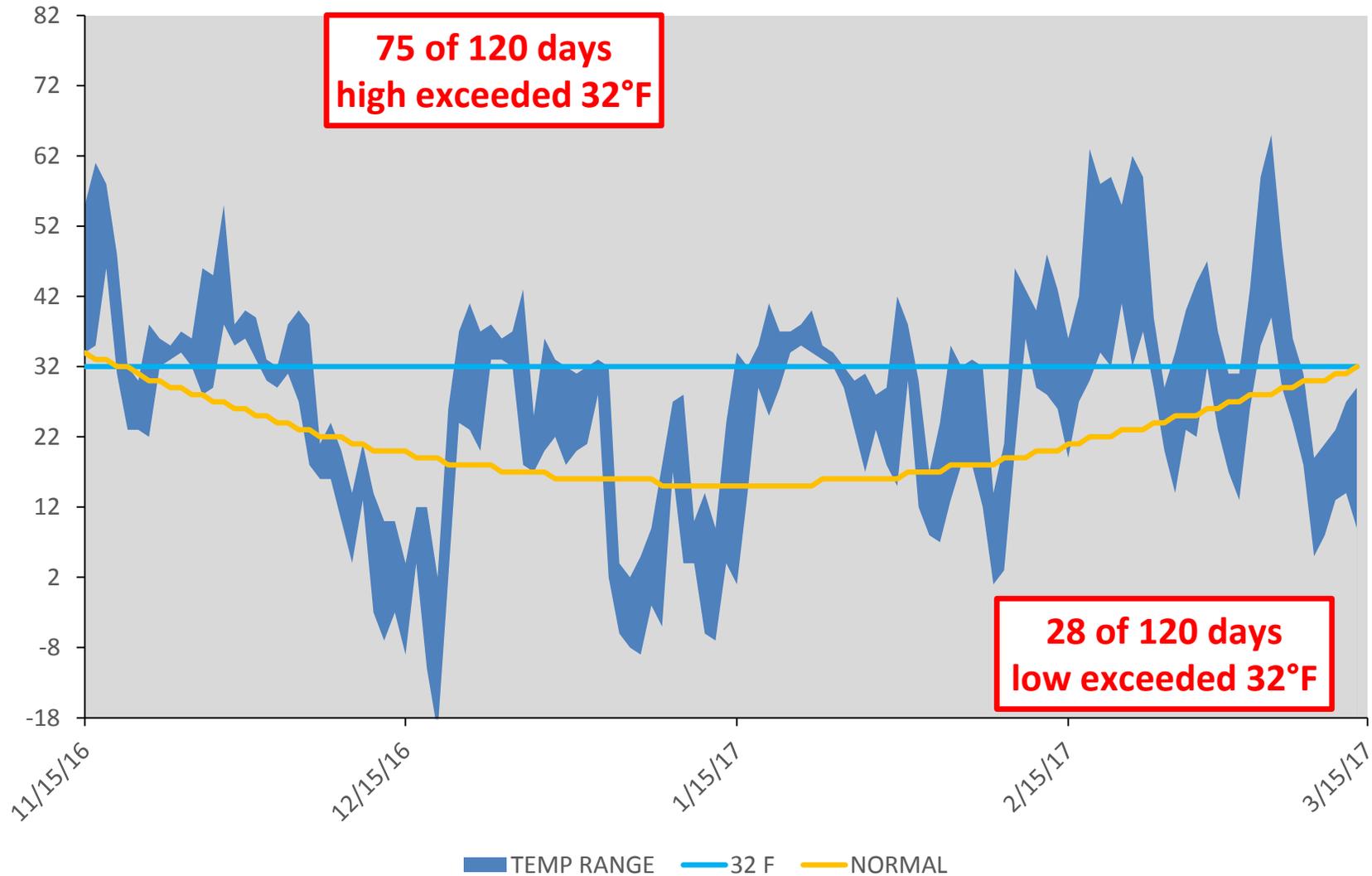
Jan. 18, 2017: 40°F



Jan. 23, 2017: 40°F

CHALLENGES AND SET-BACKS

Hansen Park Construction Temperatures (°F):
NOV '16 to MAR '17



PUBLIC OUTREACH CHALLENGES & SUCSESSES

- Take the time to talk to people where they are
- Work with the community
- Be Consistent
- Stay “above it”
- Keep lines of communication open



PUBLIC OUTREACH CHALLENGES & SUCSESSES

- Work with partners
- Focus on facts, remember feelings
- Patience



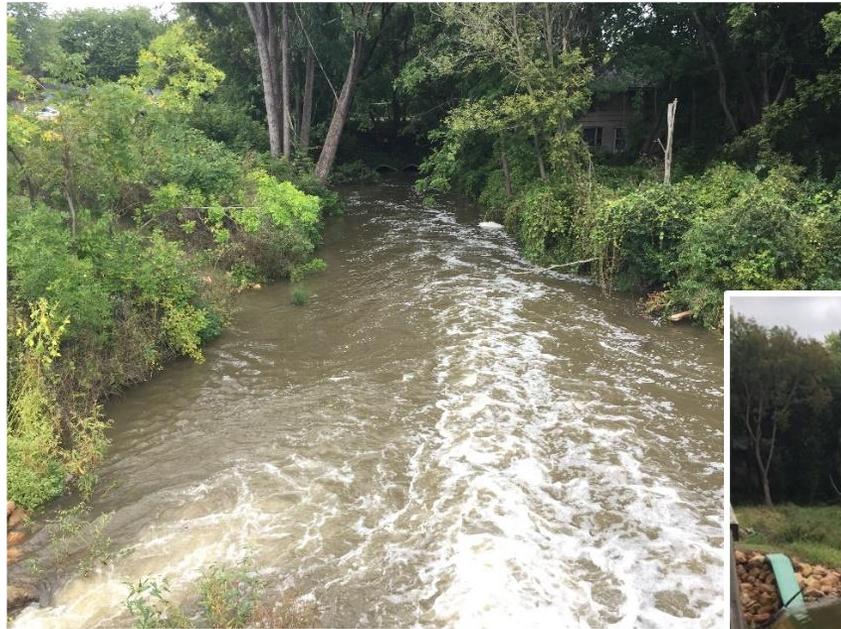
WATER QUALITY RESULTS



Cleaner water delivered to downstream lakes

FLOOD MANAGEMENT RESULTS

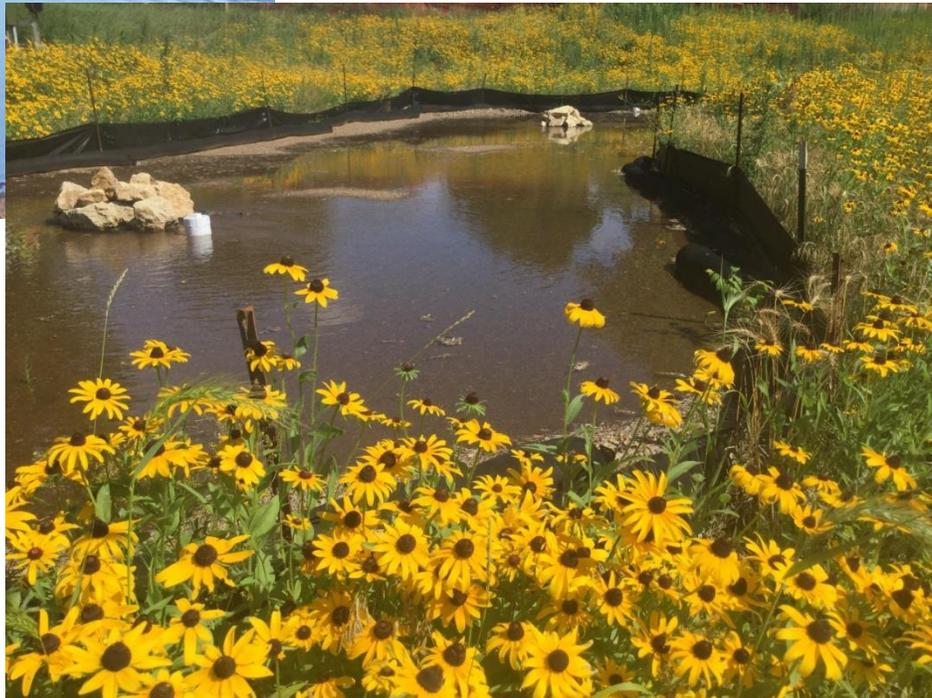
100-Year live storage increased
by 27.4 acre-feet



HABITAT RESULTS



Improved Diversity



Ruddy Duck *



Lesser Scaup *



Ring-necked Duck *



Northern Shoveler *



American Coot *



Green-winged Teal *



Blue-winged Teal *



Horned Grebe *



Common Loon *



Bufflehead



Hooded Merganser



Pied-billed Grebe



Mallard



Wood Duck



Canada Goose

???

Who's Next???

*** New species observed in spring 2018**

New Migratory Waterfowl



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